



USPS

October 19, 2016

Ms. Jeanette DeBartolomeo
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, MD 21230

RE: Third Quarter 2016 Groundwater Monitoring Report
Southside Oil Facility #20025
31 Heather Lane
Perryville, Cecil County, Maryland
MDE Case No. 2006-0489-CE

Dear Ms. DeBartolomeo:

Enclosed for your review is the Third Quarter 2016 Groundwater Monitoring Report for the above referenced site.

Southside and Kleinfelder appreciate the continued guidance of the MDE in the successful completion of this project. Please feel free to contact us at (410) 850-0404 if you have questions.

Sincerely,

KLEINFELDER

Paxton Wertz
Geologist

Mark C. Steele
Senior Program Manager

Enclosure

cc: Ms. Devon Watts – Sunoco Inc. (ENFOS)



THIRD QUARTER 2016 GROUNDWATER MONITORING REPORT

Southside Facility #20025
31 Heather Lane
Perryville, Cecil County, Maryland

REGULATORY INFORMATION

Regulatory Agency:	Maryland Department of the Environment (MDE)
MDE Case No.:	2006-0489-CE
Agency Contact:	Ms. Jeannette DeBartolomeo
Current Case Status:	Quarterly groundwater and potable well sampling, and reporting
Reporting Period:	July 1 through September 30, 2016
Last Report:	Second Quarter Groundwater Monitoring Report, July 26, 2016

GENERAL SITE INFORMATION

Southside Oil Contact:	Ms. Devon Watts
Consultant Contact:	Mr. Mark Steele
Area Property Use:	See Local Area Map (Figure 1)
Facility Status:	Active branded Exxon service station. Ownership and operation of the UST system was transferred from Exxon Mobil Corporation (ExxonMobil) to Southside Oil, LLC (Southside) on August 25, 2010.
Monitoring Wells:	MW-1 through MW-10D, MW-12 through MW-14, and BR-1
Tank Field Wells:	TF-1 through TF-3
Site Geology:	Clays, silts and sand
Groundwater Flow Direction:	Varied

ACTIVITIES COMPLETED THIS PERIOD

August 30, 2016 – Groundwater Gauging/Sampling

Wells Gauged and Sampled:	MW-2, MW-4 through MW-6, MW-10D, MW-12, MW-13, MW-14, BR-1, TF-1, and TF-2
Wells Gauged Only:	MW-1, MW-3, MW-7 through MW-9, and TF-3
Liquid Phase Hydrocarbon:	None detected
Min./Max. Depth to Water (Monitoring Wells):	19.11 feet (MW-5) / 36.86 feet (MW-13)
Min./Max. Depth to Water (Tank Field):	0.67 feet (TF-3) / 2.50 (TF-1)
Hydraulic Gradient:	0.067 feet / feet between MW-6 and MW-14
Groundwater Flow Direction:	Southeast

Groundwater samples were collected from the monitoring well and tank field well network on August 30, 2016 per the MDE approved sampling schedule. The samples were submitted to Lancaster Laboratories for analysis of full list volatile organic compounds (VOCs), ethanol and fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B and total petroleum hydrocarbon – diesel range organics (TPH-DRO) using EPA Method 8015B. Monitoring and tank field well gauging data and groundwater analytical data are summarized in **Table 1** and depicted on **Figure 2**. The Lancaster Laboratories Analysis Report is included within **Appendix A**.

August 29 and 30, 2016– Potable Well Sampling

Per the MDE's Site Status Letter dated July 30, 2013, the potable wells at 1825 Perryville Road and 1836 Perryville Road were sampled on August 29 and 30, 2016, respectively. The water samples were submitted under chain of custody protocol to Lancaster Laboratories for analysis of full list VOCs and fuel oxygenates using EPA Method 524.2. A local area map showing the locations of potable wells is included as **Figure 1**. The results of the potable well sampling are

summarized in **Table 2**. The Lancaster Laboratories Analysis Reports for potable well sampling activities are included as **Appendix B**.

Methyl tertiary butyl ether (MTBE) was detected at concentrations of 2.9 micrograms per liter ($\mu\text{g/L}$) in the 1836 Perryville Road potable well sample. The concentration of MTBE in the potable well samples from 1836 Perryville Road have remained below the MDE trigger level of 10 $\mu\text{g/L}$ since sampling was initiated in April 2011.

During the Third Quarter 2016, MTBE was detected at concentrations of 9.0 $\mu\text{g/L}$ and 2.0 $\mu\text{g/L}$ in the 1825 Perryville Road point of entry treatment (POET) system influent (PI) and mid-point (PM) samples, respectively. The potable well at 1825 Perryville Road has had stable to decreasing MTBE trends and the MTBE concentrations in the potable well samples have been below the MDE action level of 20 $\mu\text{g/L}$ since March 2012, and at or below the MDE trigger level of 10 $\mu\text{g/L}$ since March 2015.

ACTIVITIES PLANNED FOR NEXT PERIOD (FOURTH QUARTER 2016)

Activities planned for the Fourth Quarter 2016 include a replacement of the POET carbon vessels at 1825 Perryville Road, one round of groundwater gauging and sampling of select monitoring wells and tank field wells, and sampling of the potable wells at 1825 Perryville Road and 1836 Perryville Road. A case closure evaluation based upon site conditions and the MDE 7-risk factors will be submitted to the MDE for review.

LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other

representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

FIGURES

- 1 Local Area Map with Potable Well Sample Locations
- 2 Hydrocarbon Distribution/Groundwater Contour Map (August 30, 2016)

TABLES

- 1 Groundwater Monitoring & Analytical Data
- 2 Potable Well Sampling Analytical Data

APPENDICES

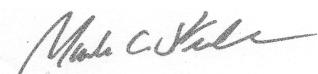
- A Lancaster Laboratories Analysis Report: Monitoring Wells (August 30, 2016)
- B Lancaster Laboratories Analysis Reports: Potable Wells (August 29 and 30, 2016)

Sincerely,

KLEINFELDER

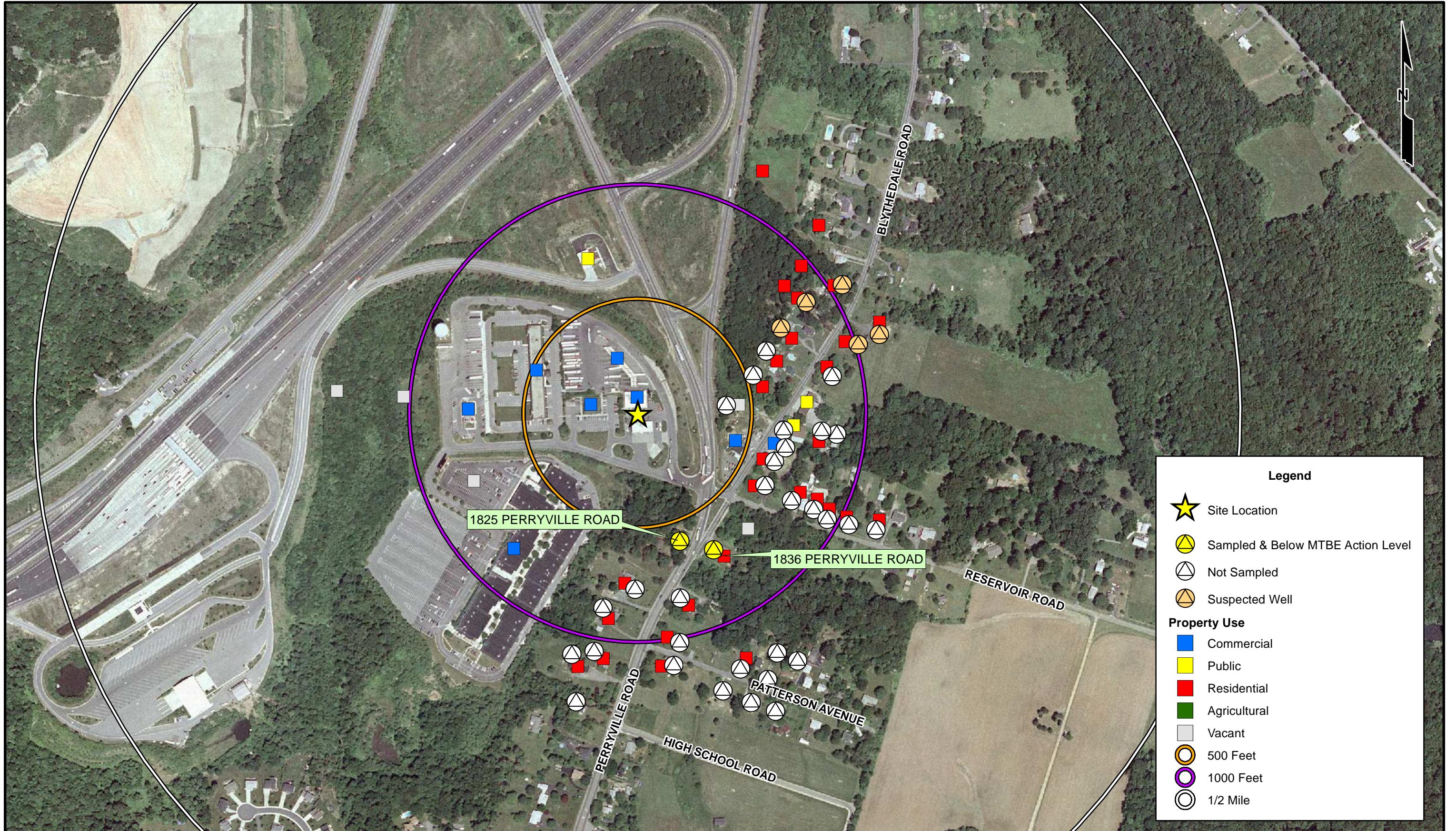


Paxton Wertz
Geologist



Mark Steele
Senior Program Manager

FIGURES



The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

400 200 0 400 Feet

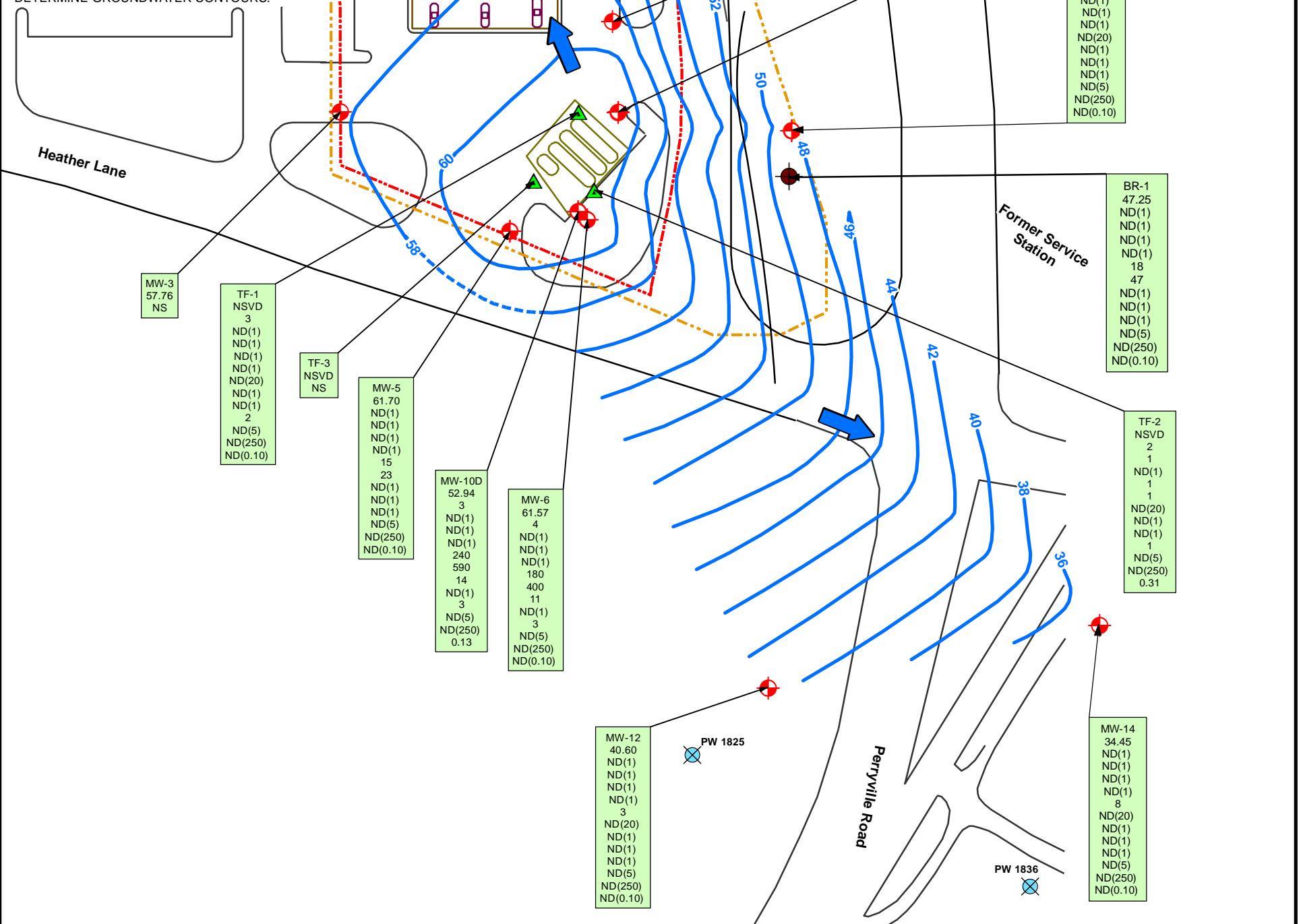
Legend

- Monitoring Well
- Bedrock Monitoring Well
- ▲ Tank Field Well
- ✖ Potable Well
- Southside Area
- Property Boundary
- Groundwater Contours (Dashed Where Inferred)
- ← Apparent Groundwater Flow Direction
- Contour Interval = 2.0 feet

Well ID	Groundwater Elevation (ft.)
Benzene ($\mu\text{g/L}$)	
Toluene ($\mu\text{g/L}$)	
Ethybenzene ($\mu\text{g/L}$)	
Total Xylenes ($\mu\text{g/L}$)	
Methyl Tertiary Butyl Ether (MTBE) ($\mu\text{g/L}$)	
Tert Butyl Alcohol (TBA) ($\mu\text{g/L}$)	
Tert Amyl Methyl Ether (TAME) ($\mu\text{g/L}$)	
Ethyl Tert Butyl Ether (ETBE) ($\mu\text{g/L}$)	
Di-Isopropyl Ether (DIPE) ($\mu\text{g/L}$)	
Naphthalene ($\mu\text{g/L}$)	
Ethanol ($\mu\text{g/L}$)	
Total Petroleum Hydrocarbon-Diesel Range Organics (TPH-DRO) (mg/L)	

ND = Not Detected (Reporting Limit)
 NSVD = Not Surveyed to Vertical Datum
 $\mu\text{g/L}$ = Micrograms per Liter
 mg/L = Milligrams per Liter
 NS = Not Sampled

NOTE:
 1. MW- 10D AND BR-1 WERE NOT USED TO DETERMINE GROUNDWATER CONTOURS.



0 40 80
Feet

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to the completeness, timeliness, or fitness to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

TABLES

Table 1
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
BR-1	9/18/2013	83.23	36.92	ND	ND	46.31	ND(5)	ND(5)	ND(5)	ND(5)	59	120	ND(5)	ND(5)	ND(5)	ND(5)	0.64	0.064	ND(250)	
	12/12/2013	83.23	36.31	ND	ND	46.92	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	83.23	35.77	ND	ND	47.46	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	83.23	35.41	ND	ND	47.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/22/2014	83.23	35.69	ND	ND	47.54	1	ND(1)	ND(1)	ND(1)	230	660	11	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	*
	10/15/2014	83.23	35.79	ND	ND	47.44	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	NA	
	12/8/2014	83.23	35.90	ND	ND	47.33	ND(1)	ND(1)	ND(1)	ND(1)	10	24	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	83.23	35.95	ND	ND	47.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/24/2015	83.23	35.71	ND	ND	47.52	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/31/2015	83.23	35.55	ND	ND	47.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	12/21/2015	83.23	35.82	ND	ND	47.41	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/8/2016	83.23	35.45	ND	ND	47.78	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/9/2016	83.23	35.63	ND	ND	47.60	ND(1)	ND(1)	ND(1)	ND(1)	12	30	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/30/2016	83.23	35.98	ND	ND	47.25	ND(1)	ND(1)	ND(1)	ND(1)	18	47	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data
Southside Facility #20025
31 Heather Lane
Perryville, Maryland
August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-1	8/15/2005	89.87	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/17/2006	89.87	32.55	ND	ND	57.32	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	8/16/2006	89.87	33.13	ND	ND	56.74	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	ND(0.20)	NA	
	2/28/2007	89.87	32.20	ND	ND	57.67	2.9	0.62	29.2	59.4	0.38	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	4.8	0.231	0.424	NA
	6/7/2007	89.87	31.95	ND	ND	57.92	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.86 J	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/2/2007	89.87	33.18	ND	ND	56.69	2.8	0.39 J	18.8	19.8	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	6.7	ND(0.10)	ND(0.20)	NA	
	3/27/2008	89.87	33.16	ND	ND	56.71	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	ND(0.20)	NA	
	9/24/2008	89.87	33.22	ND	ND	56.65	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(0.20)	NA	
	3/23/2009	89.87	33.92	ND	ND	55.95	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA	ND(0.20)	NA	
	9/5/2009	89.87	33.19	ND	ND	56.68	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.220	ND(0.20)	NA	
	1/26/2010	89.87	32.04	ND	ND	57.83	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/7/2010	89.87	32.11	ND	ND	57.76	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.11	ND(0.05)	NA	
	4/14/2011	89.87	32.46	ND	ND	57.41	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	9/10/2011	89.87	32.87	ND	ND	57.00	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.36	ND(0.050)	NA	
	12/8/2011	89.87	32.12	ND	ND	57.75	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(400)	ND(25)	ND(25)	ND(25)	ND(25)	2.4	ND(0.25)	NA	
	3/27/2012	89.87	32.33	ND	ND	57.54	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.30	ND(0.050)	NA	
	6/11/2012	89.87	33.02	ND	ND	56.85	ND(5)	ND(5)	6	38	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	55	NA	0.48	NA	
	8/29/2012	89.87	33.47	ND	ND	56.40	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	11/17/2012	89.87	33.62	ND	ND	56.25	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	4/5/2013	89.87	33.81	ND	ND	56.06	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/21/2013	89.87	33.57	ND	ND	56.30	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.050)	ND(250)	
	9/18/2013	89.87	32.51	ND	ND	57.36	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	12/12/2013	89.87	32.75	ND	ND	57.12	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	89.87	32.03	ND	ND	57.84	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	9900	
	4/18/2014	89.87	32.51	ND	ND	57.36	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA	ND(250)	
	6/30/2014	89.87	32.03	ND	ND	57.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.10)	ND(0.050)	ND(250)	
	9/22/2014	89.87	32.17	ND	ND	57.70	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2014	89.87	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-1	3/24/2015	89.87	32.46	ND	ND	57.41	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/24/2015	89.87	32.27	ND	ND	57.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	8/31/2015	89.87	32.22	ND	ND	57.65	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/21/2015	89.87	32.69	ND	ND	57.18	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	3/8/2016	89.87	32.39	ND	ND	57.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/9/2016	89.87	32.43	ND	ND	57.44	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/30/2016	89.87	33.07	ND	ND	56.80	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1 (Continued)
Groundwater Monitoring & Analytical Data
 Southside Facility #20025
 31 Heather Lane
 Perryville, Maryland
 August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-2	8/15/2005	86.17	27.09	ND	ND	59.08	ND	ND	ND	ND	880	NA	NA	NA	NA	NA	NA	NA	NA
	3/17/2006	86.17	26.45	ND	ND	59.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	528	ND(25)	27.6	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	0.560	NA
	8/16/2006	86.17	27.12	ND	ND	59.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	12.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	2/28/2007	86.17	26.82	ND	ND	59.35	6.7	1.2	54.1	120	33.0	ND(25)	1.3	ND(5.0)	ND(5.0)	8.8	0.320	0.878	NA
	6/7/2007	86.17	28.91	ND	ND	57.26	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	14.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.219	ND(0.20)	NA
	10/2/2007	86.17	27.23	ND	ND	58.94	1.2	0.22 J	8.4	9.3	13.1	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	3.1 J	ND(0.10)	ND(0.20)	NA
	3/27/2008	86.17	26.59	ND	ND	59.58	ND(1.0)	ND(1.0)	ND(1.0)	0.46	40.0	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.213	ND(0.20)	NA
	9/24/2008	86.17	27.12	ND	ND	59.05	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	3/23/2009	86.17	26.84	ND	ND	59.33	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	9.4	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.294	ND(0.20)	NA
	9/5/2009	86.17	26.91	ND	ND	59.26	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.9	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	1/26/2010	86.17	26.73	ND	ND	59.44	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.4	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	10/7/2010	86.17	26.80	ND	ND	59.37	ND(5)	ND(5)	ND(5)	ND(5)	20	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.23	ND(0.05)	NA
	4/14/2011	86.17	26.66	ND	ND	59.51	ND(5)	ND(5)	ND(5)	ND(5)	110	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.28	0.10	NA
	9/10/2011	86.17	26.86	ND	ND	59.31	ND(5)	ND(5)	ND(5)	ND(5)	39	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.13	ND(0.050)	NA
	12/8/2011	86.17	26.74	ND	ND	59.43	ND(5)	ND(5)	ND(5)	ND(5)	59	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	0.062	NA
	3/27/2012	86.17	26.71	ND	ND	59.46	ND(5)	ND(5)	ND(5)	ND(5)	26	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.68	ND(0.050)	NA
	6/11/2012	86.17	26.81	ND	ND	59.36	ND(5)	ND(5)	ND(5)	ND(5)	17	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.53	ND(0.050)	NA
	8/29/2012	86.17	27.03	ND	ND	59.14	ND(5)	ND(5)	ND(5)	ND(5)	11	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.0	ND(0.050)	NA
	11/17/2012	86.17	27.01	ND	ND	59.16	ND(5)	ND(5)	ND(5)	ND(5)	17	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.33	ND(0.050)	ND(250)
	4/5/2013	86.17	26.36	ND	ND	59.81	ND(5)	ND(5)	ND(5)	ND(5)	15	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.79	ND(0.050)	ND(250)
	6/21/2013	86.17	26.66	ND	ND	59.51	ND(5)	ND(5)	ND(5)	ND(5)	11	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.59	ND(0.050)	ND(250)
	9/18/2013	86.17	26.85	ND	ND	59.32	ND(5)	ND(5)	ND(5)	ND(5)	9	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.83	ND(0.050)	ND(250)
	12/12/2013	86.17	26.52	ND	ND	59.65	ND(5)	ND(5)	ND(5)	ND(5)	13	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.48	ND(0.050)	ND(250)
	3/20/2014	86.17	26.37	ND	ND	59.80	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	7.7	ND(0.050)	ND(250)
	6/30/2014	86.17	26.75	ND	ND	59.42	ND(1)	ND(1)	ND(1)	ND(1)	11	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	1.1	ND(0.050)	ND(250)
	9/22/2014	86.17	26.92	ND	ND	59.25	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.29	NA	ND(250)
	12/8/2014	86.17	26.57	ND	ND	59.60	ND(1)	ND(1)	ND(1)	ND(1)	12	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	3/24/2015	86.17	26.88	ND	ND	59.29	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.72	NA	ND(250)

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-2	6/24/2015	86.17	26.70	ND	ND	59.47	ND(1)	ND(1)	ND(1)	ND(1)	10	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/31/2015	86.17	26.85	ND	ND	59.32	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	2.5	NA	ND(250)	
	12/21/2015	86.17	26.72	ND	ND	59.45	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.95	NA	ND(250)	
	3/8/2016	86.17	26.81	ND	ND	59.36	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.53	NA	ND(250)	
	6/9/2016	86.17	26.79	ND	ND	59.38	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.95	NA	ND(250)	
	8/30/2016	86.17	26.95	ND	ND	59.22	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.30	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-3	6/24/2015	84.83	24.90	ND	ND	59.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/31/2015	84.83	25.44	ND	ND	59.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/21/2015	84.83	26.97	ND	ND	57.86	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/8/2016	84.83	26.17	ND	ND	58.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/9/2016	84.83	26.22	ND	ND	58.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/30/2016	84.83	27.07	ND	ND	57.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-4	6/7/2007	84.65	23.11	ND	ND	61.54	16.9	10.7	ND(20)	ND(20)	2640	7300	90.0	ND(100)	14.3	ND(100)	ND(0.10)	2.14	NA
	10/2/2007	84.65	23.89	ND	ND	60.76	27.3	9.1	3.2	9.0	3500	8570	117	3.8	17.5	ND(25)	ND(0.10)	4.51	NA
	3/27/2008	84.65	24.47	ND	ND	60.18	36.3	8.8	2.0	5.0	2760	6560	103	2.8	19.0	ND(5.0)	ND(0.10)	2.89	NA
	9/24/2008	84.65	23.71	ND	ND	60.94	30.1	4.9	3.1	10.8	2020	7520	74.0	4.6	16.8	ND(25)	ND(0.10)	3.53	NA
	3/23/2009	84.65	24.16	ND	ND	60.49	24.6	2.0	3.4	7.2	1870	6940	62.7	5.3	16.4	ND(13)	ND(0.10)	2.48	NA
	9/5/2009	84.65	24.07	ND	ND	60.58	31.2	0.99	5.0	9.6	1240	4920	44.6	5.0	16.8	ND(5.0)	ND(0.10)	1.73	NA
	1/26/2010	84.65	23.40	ND	ND	61.25	29.6	1.2	8.8	13.1	826	3890	32.9	5.2	17.8	ND(5.0)	ND(0.10)	1.20	NA
	10/7/2010	84.65	23.80	ND	ND	60.85	27	ND(5)	12	30	510	2300	25	ND(5)	14	ND(5)	0.31	0.68	NA
	4/14/2011	84.65	22.93	ND	ND	61.72	19	ND(5)	8	23	360	1500	17	ND(5)	10	ND(5)	0.25	0.60	NA
	9/10/2011	84.65	23.16	ND	ND	61.49	20	ND(5)	9	24	310	1200	16	ND(5)	11	ND(5)	ND(0.095)	0.55	NA
	12/8/2011	84.65	23.26	ND	ND	61.39	20	ND(5)	7	18	470	1700	23	ND(5)	10	ND(5)	ND(1.0)	0.70	NA
	3/27/2012	84.65	22.40	ND	ND	62.25	16	ND(5)	7	17	320	1000	17	ND(5)	9	ND(5)	0.37	0.51	NA
	6/11/2012	84.65	22.00	ND	ND	62.65	17	ND(5)	7	21	370	1300	17	ND(5)	8	ND(5)	0.24	0.48	NA
	8/29/2012	84.65	22.72	ND	ND	61.93	18	ND(5)	7	19	410	1500	19	ND(5)	8	ND(5)	0.21	0.71	NA
	11/17/2012	84.65	22.61	ND	ND	62.04	19	ND(5)	7	20	290	1100	16	ND(5)	8	ND(5)	0.20	0.42	ND(250)
	4/5/2013	84.65	22.92	ND	ND	61.73	13	ND(5)	ND(5)	5	270	800	12	ND(5)	6	ND(5)	0.45	0.35	ND(250)
	6/21/2013	84.65	22.52	ND	ND	62.13	14	ND(5)	ND(5)	7	280	1100	14	ND(5)	6	ND(5)	0.26	0.40	ND(250)
	9/18/2013	84.65	22.24	ND	ND	62.41	14	ND(5)	ND(5)	6	280	990	14	ND(5)	6	ND(5)	0.49	0.48	ND(250)
	12/12/2013	84.65	23.06	ND	ND	61.59	13	ND(5)	ND(5)	ND(5)	280	1000	13	ND(5)	5	ND(5)	ND(0.10)	0.38	ND(250)
	3/20/2014	84.65	21.76	ND	ND	62.89	11	ND(5)	ND(5)	ND(5)	220	690	11	ND(5)	ND(5)	ND(5)	0.12	0.34	ND(250)
	6/30/2014	84.65	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible
	9/22/2014	84.65	22.61	ND	ND	62.04	12	ND(1)	5	4	250	830	11	1	5	ND(5)	ND(0.10)	NA	ND(250)
	12/8/2014	84.65	23.32	ND	ND	61.33	12	ND(1)	4	4	250	730	13	1	5	ND(5)	ND(0.10)	NA	ND(250)
	3/24/2015	84.65	23.33	ND	ND	61.32	10	ND(1)	3	5	250	690	10	ND(1)	4	ND(5)	0.15	NA	ND(250)
	6/24/2015	84.65	22.56	ND	ND	62.09	10	ND(1)	4	7	270	830	10	ND(1)	4	ND(5)	ND(0.10)	NA	ND(250)
	8/31/2015	84.65	22.65	ND	ND	62.00	12	ND(1)	4	7	250	600	11	ND(1)	5	ND(5)	ND(0.10)	NA	ND(250)
	12/21/2015	84.65	23.38	ND	ND	61.27	9	ND(5)	ND(5)	ND(5)	200	650	6	ND(5)	ND(5)	ND(25)	ND(0.10)	NA	ND(1300)
	3/8/2016	84.65	23.35	ND	ND	61.30	12	ND(1)	3	5	250	830	16	ND(1)	6	ND(5)	ND(0.10)	NA	ND(250)

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-4	6/9/2016	84.65	23.05	ND	ND	61.60	8	ND(1)	3	5	220	760	10	ND(1)	4	ND(5)	ND(0.10)	NA	ND(250)	
	8/30/2016	84.65	23.12	ND	ND	61.53	10	ND(1)	3	4	250	730	11	ND(1)	4	ND(5)	ND(0.10)	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-5	6/9/2016	80.81	19.10	ND	ND	61.71	ND(1)	ND(1)	ND(1)	ND(1)	13	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/30/2016	80.81	19.11	ND	ND	61.70	ND(1)	ND(1)	ND(1)	ND(1)	15	23	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
MW-6	9/5/2009	83.74	22.05	ND	ND	61.69	2.7	0.39	ND(1.0)	0.35	560	1220	13.7	ND(5.0)	1.1	ND(5.0)	ND(0.10)	0.730	NA	
	1/26/2010	83.74	23.93	ND	ND	59.81	1.1	ND(1.0)	ND(1.0)	ND(1.0)	894	1930	29.3	ND(5.0)	2.7	ND(5.0)	ND(0.10)	0.888	NA	
	10/7/2010	83.74	23.30	ND	ND	60.44	ND(5)	ND(5)	ND(5)	ND(5)	970	2400	32	ND(5)	ND(5)	ND(5)	ND(0.095)	0.73	NA	
	4/14/2011	83.74	23.14	ND	ND	60.60	ND(10)	ND(10)	ND(10)	ND(10)	950	2600	45	ND(10)	ND(10)	ND(10)	ND(0.095)	1.0	NA	
	9/10/2011	83.74	22.25	ND	ND	61.49	ND(5)	ND(5)	ND(5)	ND(5)	240	670	11	ND(5)	ND(5)	ND(5)	ND(1.0)	0.24	NA	
	12/8/2011	83.74	22.15	ND	ND	61.59	ND(5)	ND(5)	ND(5)	ND(5)	340	1100	16	ND(5)	ND(5)	ND(5)	ND(1.0)	0.40	NA	
	3/27/2012	83.74	21.84	ND	ND	61.90	ND(5)	ND(5)	ND(5)	ND(5)	360	990	18	ND(5)	ND(5)	ND(5)	ND(0.096)	0.35	NA	
	6/11/2012	83.74	21.87	ND	ND	61.87	ND(5)	ND(5)	ND(5)	ND(5)	410	1300	22	ND(5)	ND(5)	ND(5)	ND(0.096)	0.34	NA	
	8/29/2012	83.74	21.93	ND	ND	61.81	ND(5)	ND(5)	ND(5)	ND(5)	190	510	9	ND(5)	ND(5)	ND(5)	ND(0.095)	0.22	NA	
	11/17/2012	83.74	22.55	ND	ND	61.19	ND(5)	ND(5)	ND(5)	ND(5)	190	550	9	ND(5)	ND(5)	ND(5)	ND(0.096)	0.16	ND(250)	
	4/5/2013	83.74	23.06	ND	ND	60.68	ND(5)	ND(5)	ND(5)	ND(5)	230	630	11	ND(5)	ND(5)	ND(5)	ND(0.095)	0.25	ND(250)	
	6/21/2013	83.74	22.19	ND	ND	61.55	ND(5)	ND(5)	ND(5)	ND(5)	220	790	13	ND(5)	ND(5)	ND(5)	ND(0.095)	0.24	ND(250)	
	9/18/2013	83.74	21.93	ND	ND	61.81	ND(5)	ND(5)	ND(5)	ND(5)	180	550	10	ND(5)	ND(5)	ND(5)	ND(0.096)	0.23	ND(250)	
	12/12/2013	83.74	22.60	ND	ND	61.14	ND(5)	ND(5)	ND(5)	ND(5)	200	610	10	ND(5)	ND(5)	ND(5)	ND(0.10)	0.18	ND(250)	
	3/20/2014	83.74	21.44	ND	ND	62.30	ND(5)	ND(5)	ND(5)	ND(5)	320	950	18	ND(5)	ND(5)	ND(5)	ND(0.10)	0.30	ND(250)	
	6/30/2014	83.74	22.45	ND	ND	61.29	ND(1)	ND(1)	ND(1)	ND(1)	100	250	5	ND(1)	ND(1)	ND(5)	ND(0.10)	0.090	ND(250)	
	9/22/2014	83.74	22.85	ND	ND	60.89	2	ND(1)	ND(1)	ND(1)	200	510	11	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	
	12/8/2014	83.74	22.55	ND	ND	61.19	3	ND(1)	ND(1)	ND(1)	290	720	17	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	83.74	23.11	ND	ND	60.63	3	ND(1)	ND(1)	ND(1)	300	810	19	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)	
	6/24/2015	83.74	22.60	ND	ND	61.14	3	ND(1)	ND(1)	ND(1)	290	770	16	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)	
	8/31/2015	83.74	21.98	ND	ND	61.76	3	ND(1)	ND(1)	ND(1)	260	480	15	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)	
	12/21/2015	83.74	22.70	ND	ND	61.04	1	ND(1)	ND(1)	ND(1)	78	180	3	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/8/2016	83.74	22.80	ND	ND	60.94	3	ND(1)	ND(1)	ND(1)	180	390	11	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	
	6/9/2016	83.74	23.08	ND	ND	60.66	4	ND(1)	ND(1)	ND(1)	220	450	14	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)	
	8/30/2016	83.74	22.17	ND	ND	61.57	4	ND(1)	ND(1)	ND(1)	180	400	11	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-7	9/5/2009	87.56	38.47	ND	ND	49.09	2.1	0.42	ND(1.0)	0.44	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	1.5	0.246	ND(0.20)	NA
	1/26/2010	87.56	29.79	ND	ND	57.77	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	10/7/2010	87.56	28.33	ND	ND	59.23	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.14	ND(0.05)	NA
	4/14/2011	87.56	29.42	ND	ND	58.14	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	9/10/2011	87.56	30.35	ND	ND	57.21	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.16	ND(0.050)	NA
	12/8/2011	87.56	29.75	ND	ND	57.81	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	3/27/2012	87.56	30.07	ND	ND	57.49	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	NA
	6/11/2012	87.56	30.91	ND	ND	56.65	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.098)	ND(0.050)	NA
	8/29/2012	87.56	31.48	ND	ND	56.08	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	11/17/2012	87.56	31.71	ND	ND	55.85	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	4/5/2013	87.56	31.82	ND	ND	55.74	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	ND(250)
	6/21/2013	87.56	31.35	ND	ND	56.21	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	9/18/2013	87.56	30.05	ND	ND	57.51	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)
	12/12/2013	87.56	30.77	ND	ND	56.79	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	3/20/2014	87.56	29.59	ND	ND	57.97	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	6/30/2014	87.56	29.47	ND	ND	58.09	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	9/22/2014	87.56	29.60	ND	ND	57.96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/8/2014	87.56	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/24/2015	87.56	29.48	ND	ND	58.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/24/2015	87.56	29.29	ND	ND	58.27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	8/31/2015	87.56	29.69	ND	ND	57.87	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/21/2015	87.56	30.92	ND	ND	56.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	3/8/2016	87.56	30.33	ND	ND	57.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/9/2016	87.56	30.29	ND	ND	57.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/30/2016	87.56	31.11	ND	ND	56.45	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
MW-8	9/5/2009	87.77	30.00	ND	ND	57.77	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.8	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	1/26/2010	87.77	29.39	ND	ND	58.38	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA
	10/7/2010	87.77	28.56	ND	ND	59.21	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.05)	NA
	4/14/2011	87.77	29.40	ND	ND	58.37	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA
	9/10/2011	87.77	29.58	ND	ND	58.19	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA
	12/8/2011	87.77	29.44	ND	ND	58.33	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	3/27/2012	87.77	29.61	ND	ND	58.16	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	6/11/2012	87.77	29.70	ND	ND	58.07	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA
	8/29/2012	87.77	29.77	ND	ND	58.00	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA
	11/17/2012	87.77	29.81	ND	ND	57.96	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	4/5/2013	87.77	30.13	ND	ND	57.64	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.13	ND(0.050)	ND(250)
	6/21/2013	87.77	29.82	ND	ND	57.95	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)
	9/18/2013	87.77	29.51	ND	ND	58.26	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)
	12/12/2013	87.77	29.70	ND	ND	58.07	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	3/20/2014	87.77	28.98	ND	ND	58.79	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	8.4	ND(0.050)	ND(250)
	4/18/2014	87.77	29.54	ND	ND	58.23	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	ND(250)
	6/30/2014	87.77	29.42	ND	ND	58.35	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	9/22/2014	87.77	29.41	ND	ND	58.36	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	12/8/2014	87.77	29.60	ND	ND	58.17	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	3/24/2015	87.77	29.20	ND	ND	58.57	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/24/2015	87.77	29.00	ND	ND	58.77	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	8/31/2015	87.77	29.50	ND	ND	58.27	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/21/2015	87.77	29.63	ND	ND	58.14	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	3.3	NA	ND(250)
	3/8/2016	87.77	29.60	ND	ND	58.17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/9/2016	87.77	29.65	ND	ND	58.12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/30/2016	87.77	29.74	ND	ND	58.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data													Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol ($\mu\text{g/L}$)	
MW-9	9/5/2009	89.05	30.63	ND	ND	58.42	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	1/26/2010	89.05	27.48	ND	ND	61.57	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.66	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/7/2010	89.05	27.56	ND	ND	61.49	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.05)	NA	
	4/14/2011	89.05	26.93	ND	ND	62.12	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	9/10/2011	89.05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/29/2011	89.05	28.91	ND	ND	60.14	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	12/8/2011	89.05	27.05	ND	ND	62.00	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	3/27/2012	89.05	27.39	ND	ND	61.66	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	6/11/2012	89.05	27.55	ND	ND	61.50	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	NA	
	8/29/2012	89.05	27.55	ND	ND	61.50	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	11/17/2012	89.05	27.72	ND	ND	61.33	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	4/5/2013	89.05	27.93	ND	ND	61.12	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.050)	ND(250)	
	6/21/2013	89.05	27.86	ND	ND	61.19	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.050)	ND(250)	
	9/18/2013	89.05	27.34	ND	ND	61.71	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)	
	12/12/2013	89.05	27.39	ND	ND	61.66	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	89.05	26.85	ND	ND	62.20	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	7700	
	4/18/2014	89.05	28.01	ND	ND	61.04	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	NA	NA	ND(250)	
	6/30/2014	89.05	27.61	ND	ND	61.44	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	0.45	ND(0.050)	ND(250)	
	9/22/2014	89.05	27.84	ND	ND	61.21	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/8/2014	89.05	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/24/2015	89.05	27.59	ND	ND	61.46	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/24/2015	89.05	27.42	ND	ND	61.63	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(0.10)	NA	ND(250)	
	8/31/2015	89.05	28.38	ND	ND	60.67	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/21/2015	89.05	28.90	ND	ND	60.15	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	3/8/2016	89.05	28.67	ND	ND	60.38	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/9/2016	89.05	28.75	ND	ND	60.30	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/30/2016	89.05	29.10	ND	ND	59.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments		
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)		
MW-10D	9/10/2011	82.61	28.18	ND	ND	54.43	ND(5)	ND(5)	ND(5)	ND(5)	26	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.0	0.077	NA		
	12/8/2011	82.61	26.77	ND	ND	55.84	ND(5)	ND(5)	ND(5)	ND(5)	75	230	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	2.1	0.084	NA	
	3/27/2012	82.61	28.15	ND	ND	54.46	ND(5)	ND(5)	ND(5)	ND(5)	400	980	20	ND(5)	ND(5)	ND(5)	ND(5)	0.97	0.38	NA	
	6/11/2012	82.61	28.69	ND	ND	53.92	ND(5)	ND(5)	ND(5)	ND(5)	140	350	6	ND(5)	ND(5)	ND(5)	ND(5)	0.13	0.080	NA	
	8/29/2012	82.61	29.31	ND	ND	53.30	ND(5)	ND(5)	ND(5)	ND(5)	420	1300	21	ND(5)	ND(5)	ND(5)	ND(5)	0.26	0.57	NA	
	11/17/2012	82.61	29.00	ND	ND	53.61	ND(5)	ND(5)	ND(5)	ND(5)	350	1300	18	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	0.33	ND(250)	
	4/5/2013	82.61	30.80	ND	ND	51.81	ND(5)	ND(5)	ND(5)	ND(5)	93	240	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	0.23	0.19	ND(250)	
	6/21/2013	82.61	30.30	ND	ND	52.31	ND(5)	ND(5)	ND(5)	ND(5)	320	1200	18	ND(5)	ND(5)	ND(5)	ND(5)	0.51	0.37	ND(250)	
	9/18/2013	82.61	29.32	ND	ND	53.29	ND(5)	ND(5)	ND(5)	ND(5)	270	880	14	ND(5)	ND(5)	ND(5)	ND(5)	0.18	0.26	ND(250)	
	12/12/2013	82.61	29.32	ND	ND	53.29	ND(5)	ND(5)	ND(5)	ND(5)	37	100	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	0.074	ND(250)	
	3/20/2014	82.61	28.82	ND	ND	53.79	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)		
	6/30/2014	82.61	29.33	ND	ND	53.28	2	ND(1)	ND(1)	ND(1)	280	790	15	ND(1)	2	ND(5)	ND(0.10)	0.24	ND(250)		
	9/22/2014	82.61	29.44	ND	ND	53.17	1	ND(1)	ND(1)	ND(1)	210	590	11	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)		
	12/8/2014	82.61	29.06	ND	ND	53.55	2	ND(1)	ND(1)	ND(1)	300	890	18	ND(1)	3	ND(5)	ND(0.10)	NA	ND(250)		
	3/24/2015	82.61	29.77	ND	ND	52.84	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)		
	6/24/2015	82.61	29.65	ND	ND	52.96	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)		
	8/31/2015	82.61	26.24	ND	ND	56.37	ND(1)	ND(1)	ND(1)	ND(1)	92	180	5	ND(1)	1	ND(5)	ND(0.10)	NA	ND(250)		
	12/21/2015	82.61	27.06	ND	ND	55.55	ND(5)	ND(5)	ND(5)	ND(5)	220	650	8	ND(5)	ND(5)	ND(25)	0.25	NA	ND(1300)		
	3/8/2016	82.61	29.08	ND	ND	53.53	2	ND(1)	ND(1)	ND(1)	180	410	9	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)		
	6/9/2016	82.61	29.33	ND	ND	53.28	ND(1)	ND(1)	ND(1)	ND(1)	60	170	3	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)		
	8/30/2016	82.61	29.67	ND	ND	52.94	3	ND(1)	ND(1)	ND(1)	240	590	14	ND(1)	3	ND(5)	0.13	NA	ND(250)		

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-12	9/10/2011	70.57	30.52	ND	ND	40.05	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	ND(0.050)	NA	
	12/16/2011	70.57	30.77	ND	ND	39.80	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	3/27/2012	70.57	30.76	ND	ND	39.81	ND(5)	ND(5)	ND(5)	ND(5)	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	6/11/2012	70.57	30.97	ND	ND	39.60	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	8/29/2012	70.57	31.75	ND	ND	38.82	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	11/17/2012	70.57	32.56	ND	ND	38.01	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	4/5/2013	70.57	33.02	ND	ND	37.55	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.40	ND(0.050)	ND(250)	
	6/21/2013	70.57	31.31	ND	ND	39.26	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.099)	ND(0.050)	ND(250)	
	9/18/2013	70.57	31.03	ND	ND	39.54	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	ND(250)	
	12/12/2013	70.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/20/2014	70.57	30.54	ND	ND	40.03	ND(5)	ND(5)	ND(5)	ND(5)	16	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	70.57	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Inaccessible	
	9/22/2014	70.57	30.82	ND	ND	39.75	ND(1)	ND(1)	ND(1)	ND(1)	160	510	8	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	*
	10/15/2014	70.57	30.11	ND	ND	40.46	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	NA	
	12/8/2014	70.57	31.00	ND	ND	39.57	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	70.57	30.05	ND	ND	40.52	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/24/2015	70.57	29.81	ND	ND	40.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/31/2015	70.57	29.72	ND	ND	40.85	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	12/21/2015	70.57	30.61	ND	ND	39.96	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(100)	ND(5)	ND(5)	ND(5)	ND(25)	ND(0.10)	NA	ND(1300)	
	3/8/2016	70.57	29.03	ND	ND	41.54	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/9/2016	70.57	28.89	ND	ND	41.68	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/30/2016	70.57	29.97	ND	ND	40.60	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-13	4/5/2013	85.54	37.45	ND	ND	48.09	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	ND(250)	
	6/21/2013	85.54	36.88	ND	ND	48.66	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	NA	NA	ND(250)	
	9/18/2013	85.54	36.56	ND	ND	48.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/12/2013	85.54	36.83	ND	ND	48.71	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/20/2014	85.54	36.36	ND	ND	49.18	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/30/2014	85.54	36.24	ND	ND	49.30	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/22/2014	85.54	36.51	ND	ND	49.03	1	ND(1)	ND(1)	ND(1)	180	520	9	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	*
	10/15/2014	85.54	36.51	ND	ND	49.03	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	NA	NA	NA	
	12/8/2014	85.54	36.85	ND	ND	48.69	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	85.54	36.98	ND	ND	48.56	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	430	
	6/24/2015	85.54	36.78	ND	ND	48.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.34	NA	ND(250)	
	8/31/2015	85.54	36.56	ND	ND	48.98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	12/21/2015	85.54	36.96	ND	ND	48.58	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(100)	ND(5)	ND(5)	ND(5)	ND(25)	ND(0.10)	NA	ND(1300)	
	3/8/2016	85.54	36.63	ND	ND	48.91	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/9/2016	85.54	36.57	ND	ND	48.97	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/30/2016	85.54	36.86	ND	ND	48.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
MW-14	4/5/2013	65.09	31.03	ND	ND	34.06	ND(5)	ND(5)	ND(5)	ND(5)	15	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.099)	ND(0.050)	ND(250)	
	6/21/2013	65.09	30.59	ND	ND	34.50	ND(5)	ND(5)	ND(5)	ND(5)	12	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	0.12	ND(0.050)	ND(250)
	9/18/2013	65.09	30.31	ND	ND	34.78	ND(5)	ND(5)	ND(5)	ND(5)	16	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)	
	12/12/2013	65.09	30.62	ND	ND	34.47	ND(5)	ND(5)	ND(5)	ND(5)	14	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	3/20/2014	65.09	29.82	ND	ND	35.27	ND(5)	ND(5)	ND(5)	ND(5)	16	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	6/30/2014	65.09	29.91	ND	ND	35.18	ND(1)	ND(1)	ND(1)	ND(1)	12	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/22/2014	65.09	30.65	ND	ND	34.44	ND(1)	ND(1)	ND(1)	ND(1)	12	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	12/8/2014	65.09	32.44	ND	ND	32.65	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/24/2015	65.09	30.27	ND	ND	34.82	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/24/2015	65.09	30.24	ND	ND	34.85	ND(1)	ND(1)	ND(1)	ND(1)	9	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/31/2015	65.09	30.70	ND	ND	34.39	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	12/21/2015	65.09	30.67	ND	ND	34.42	ND(1)	ND(1)	ND(1)	ND(1)	7	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/8/2016	65.09	29.86	ND	ND	35.23	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/9/2016	65.09	30.11	ND	ND	34.98	ND(1)	ND(1)	ND(1)	ND(1)	6	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	8/30/2016	65.09	30.64	ND	ND	34.45	ND(1)	ND(1)	ND(1)	ND(1)	8	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data
 Southside Facility #20025
 31 Heather Lane
 Perryville, Maryland
 August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
TF-1	3/30/2006	NSVD	4.77	ND	ND	NSVD	106	121	ND(10)	ND(10)	6900	1120	150	58.1	41.6 J	ND(50)	0.304	6.92	NA
	8/16/2006	NSVD	1.75	ND	ND	NSVD	323	222	10.8	33.8	10400	30300	66.3	64.7	26.6	ND(50)	3.09	8.98	NA
	2/28/2007	NSVD	2.28	ND	ND	NSVD	149	20.0	845	990	3240	18400	ND(25)	ND(25)	34.8	191	6.82	19.8	NA
	6/7/2007	NSVD	2.71	ND	ND	NSVD	92.2	3.6	65.9	3.6	151	1410	9.0	ND(5.0)	27.2	ND(5.0)	1.84	2.04	NA
	10/2/2007	NSVD	3.16	ND	ND	NSVD	137	1.8	92.4	4.3	145	8080	ND(5.0)	12.6	29.2	7.2	1.03	1.80	NA
	3/27/2008	NSVD	2.47	ND	ND	NSVD	10.3	ND(1.0)	1.6	0.56	10.1	688	ND(5.0)	1.2	1.4	ND(5.0)	0.545	0.619	NA
	9/24/2008	NSVD	2.91	ND	ND	NSVD	14.5	0.65	4.1	9.3	8.9	294	ND(5.0)	0.54	1.3	10.1	1.06	2.17	NA
	3/23/2009	NSVD	2.85	ND	ND	NSVD	45.7	140	62.8	197	11.5	292	3.9	3.3	9.9	5.4	0.895	2.15	NA
	9/5/2009	NSVD	2.65	ND	ND	NSVD	0.73	ND(1.0)	ND(1.0)	0.34	12.1	181	2.0	2.2	10.2	ND(5.0)	0.474	0.298	NA
	1/26/2010	NSVD	2.52	ND	ND	NSVD	1.1	ND(1.0)	ND(1.0)	0.35	1.9	9.7	ND(5.0)	ND(5.0)	0.53	ND(5.0)	0.220	0.393	NA
	10/7/2010	NSVD	2.88	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.69	ND(0.05)	NA
	4/14/2011	NSVD	2.07	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.3	0.53	NA
	9/10/2011	NSVD	1.86	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.2	0.081	NA
	12/8/2011	NSVD	2.01	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.85	0.13	NA
	3/27/2012	NSVD	2.81	ND	ND	NSVD	18	22	9	11	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.76	0.15	NA
	6/11/2012	NSVD	2.55	ND	ND	NSVD	9	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	8.6	0.41	NA
	8/29/2012	NSVD	2.65	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.50	0.051	NA
	11/17/2012	NSVD	2.55	ND	ND	NSVD	6	6	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.28	0.16	ND(250)
	4/5/2013	NSVD	2.25	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.65	ND(0.050)	ND(250)
	6/21/2013	NSVD	1.97	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.39	ND(0.050)	ND(250)
	9/18/2013	NSVD	2.90	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.38	ND(0.050)	ND(250)
	12/12/2013	NSVD	1.96	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.12	0.071	ND(250)
	3/20/2014	NSVD	2.51	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	6/30/2014	NSVD	2.40	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.24	ND(0.050)	ND(250)
	9/22/2014	NSVD	2.65	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	140	380	7	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)
	12/8/2014	NSVD	2.04	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	3/24/2015	NSVD	2.25	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	6/24/2015	NSVD	2.01	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.21	NA	ND(250)

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
TF-1	8/31/2015	NSVD	2.55	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	12/21/2015	NSVD	2.31	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/8/2016	NSVD	2.35	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/9/2016	NSVD	2.21	ND	ND	NSVD	14	6	ND(1)	3	1	ND(20)	2	ND(1)	15	ND(5)	0.12	NA	ND(250)	
	8/30/2016	NSVD	2.50	ND	ND	NSVD	3	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025
 31 Heather Lane
 Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)
TF-2	3/30/2006	NSVD	3.63	ND	ND	NSVD	46.2	ND(1.0)	ND(1.0)	ND(1.0)	10.1	3120	2.5 J	1.0 J	41.3	ND(5.0)	1.18	0.392	NA
	8/16/2006	NSVD	2.40	ND	ND	NSVD	207	909	708	3210	28900	5660	146	44.1	ND(130)	168	3.15	28.6	NA
	2/28/2007	NSVD	1.14	ND	ND	NSVD	220	12.0	619	2120	753	29000	10.7	51.5	20.7	135	3.43	16.7	NA
	6/7/2007	NSVD	1.55	ND	ND	NSVD	194	ND(10)	717	1130	249	21600	ND(50)	37.4	50.9	175	4.49	13.5	NA
	10/2/2007	NSVD	1.99	ND	ND	NSVD	165	2.6	641	655	29.1	21900	ND(25)	29.0	25.6	192	2.69	8.67	NA
	3/27/2008	NSVD	0.31	ND	ND	NSVD	75.5	1.8	218	334	40.4	4720	ND(5.0)	9.1	14.0	100	2.66	6.48	NA
	9/24/2008	NSVD	1.57	ND	ND	NSVD	48.9	7.4	73.1	222	18.1	541	ND(5.0)	1.6	8.0	87.6	1.34	4.89	NA
	3/23/2009	NSVD	1.45	ND	ND	NSVD	144	169	27.8	113	22.2	417	ND(5.0)	6.2	18.6	59.4	1.37	3.90	NA
	9/5/2009	NSVD	1.37	ND	ND	NSVD	173	12.2	3.5	13.0	19.2	594	ND(5.0)	6.3	20.1	60.5	1.21	2.35	NA
	1/26/2010	NSVD	1.16	ND	ND	NSVD	28.2	0.59	0.63	2.7	9.1	135	1.5	1.1	4.1	21.0	0.880	2.01	NA
	10/7/2010	NSVD	1.70	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.95	ND(0.05)	NA
	4/14/2011	NSVD	0.88	ND	ND	NSVD	6	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.3	0.47	NA
	9/10/2011	NSVD	0.32	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.3	0.56	NA
	12/8/2011	NSVD	0.70	ND	ND	NSVD	5	ND(5)	ND(5)	ND(5)	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.5	0.59	NA
	3/27/2012	NSVD	1.54	ND	ND	NSVD	8	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.5	0.58	NA
	6/11/2012	NSVD	1.33	ND	ND	NSVD	15	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.2	0.57	NA
	8/29/2012	NSVD	1.40	ND	ND	NSVD	16	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.8	0.56	NA
	11/17/2012	NSVD	1.30	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.52	0.36	ND(250)
	4/5/2013	NSVD	1.00	ND	ND	NSVD	6	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.2	0.31	ND(250)
	6/21/2013	NSVD	0.71	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.60	0.17	ND(250)
	9/18/2013	NSVD	1.35	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	9	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.1	0.38	ND(250)
	12/12/2013	NSVD	0.68	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.33	0.24	ND(250)
	3/20/2014	NSVD	1.02	ND	ND	NSVD	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)
	6/30/2014	NSVD	1.08	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.53	0.22	ND(250)
	9/22/2014	NSVD	1.43	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	150	410	7	ND(1)	2	ND(5)	ND(0.10)	NA	ND(250)
	12/8/2014	NSVD	0.70	ND	ND	NSVD	2	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.39	NA	ND(250)
	3/24/2015	NSVD	1.11	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)
	6/24/2015	NSVD	1.02	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.20	NA	ND(250)

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
TF-2	8/31/2015	NSVD	1.31	ND	ND	NSVD	9	2	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.54	NA	ND(250)	
	12/21/2015	NSVD	1.10	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	3/8/2016	NSVD	1.10	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	NA	ND(250)	
	6/9/2016	NSVD	1.12	ND	ND	NSVD	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	1.9	NA	ND(250)	
	8/30/2016	NSVD	1.28	ND	ND	NSVD	2	1	ND(1)	1	1	ND(20)	ND(1)	ND(1)	1	ND(5)	0.31	NA	ND(250)	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Sample ID	Date	Gauging Data					Analytical Data												Comments	
		Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naphthalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	
TF-3	6/24/2015	NSVD	1.00	ND	ND	NSVD	8	1	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	1.0	NA	ND(250)	
	8/31/2015	NSVD	0.70	ND	ND	NSVD	4	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	110	NA	ND(250)	
	12/21/2015	NSVD	NM	NM	NM	NM	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	1.8	NA	ND(250)	
	3/8/2016	NSVD	0.27	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/9/2016	NSVD	0.17	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/30/2016	NSVD	0.67	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)
Groundwater Monitoring & Analytical Data

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

August 15, 2005 through August 30, 2016

Notes:

* - The results of samples collected from BR-1, MW-12, MW-13, TF-1, and TF-2 on 9/22/2004 are not representative of site conditions. Inadequate decontamination of equipment occurred during that sampling event. The monitoring wells were resampled 10/15/14.

µg/L - micrograms per liter (µg/L)

GW - Groundwater

J - Indicates an estimated value

mg/L - milligram per liter (mg/L)

NA - Not analyzed

ND - Not detected

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NM - Not monitored

NS - Not sampled

NSVD - Not surveyed to vertical datum

Table 2**Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through August 30, 2016

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
803 Perryville Road	8/29/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
1812 Perryville Rd	8/29/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
1825 Perryville Rd	10/5/2010	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	24	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
1825 Perryville PI	7/7/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	24	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/16/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	24	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/27/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	18	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/5/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	18	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/10/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	18	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/18/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	15	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	13	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/30/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	15	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/12/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	12	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/18/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	11	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	10	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	10	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	8/21/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	9.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/21/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	8.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/7/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	9.3	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/9/2016	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Owner Not Responsive
	8/29/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	9.0	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

Table 2 (Continued)**Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through August 30, 2016

Well ID	Date	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl- benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	Total BTEX ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	Naph- thalene ($\mu\text{g/L}$)	Comments
1825 Perryville PM	7/7/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/16/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/27/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/5/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/10/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/18/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/30/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/12/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/18/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	8/21/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	0.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/21/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/7/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/9/2016	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Owner Not Responsive
	8/29/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	2.0	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

Table 2 (Continued)**Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through August 30, 2016

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
1825 Perryville PE	7/7/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/16/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/27/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/5/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/10/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/18/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/30/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/12/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/18/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	8/21/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/21/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/7/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/9/2016	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Owner Not Responsive
	8/29/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

Table 2 (Continued)**Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through August 30, 2016

Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethyl- benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph- thalene (µg/L)	Comments
1836 Perryville Rd	4/14/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	6.8	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	7/7/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	6.1	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/16/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	6.3	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/28/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	6.2	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/5/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.4	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/10/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.8	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/14/2012	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.0	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/20/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.6	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/21/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.0	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	8/29/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.3	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/12/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/20/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	3.9	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/30/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.9	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/22/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.0	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/18/2014	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	4.7	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.2	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/24/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	5.6	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	8/31/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	4.4	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	12/21/2015	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	3.9	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	3/7/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	4.4	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	6/9/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	2.5	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	8/30/2016	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	2.9	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
7 Patterson Ave	4/14/2011	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(1.0)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	
	9/18/2013	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	BRL	ND(0.5)	ND(25)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	

Table 2 (Continued)**Potable Well Point of Entry Treatment (POET) Analytical Data**

Southside Facility #20025

31 Heather Lane

Perryville, Maryland

October 5, 2010 through August 30, 2016

Notes:

µg/L - micrograms per liter (µg/L)

BRL - Below laboratory reporting limits

BTEX - Benzene, toluene, ethylbenzene, and total xylenes

DIPE - Di-Isopropyl Ether

ETBE - Ethyl Tertiary Butyl Ether

MTBE - Methyl Tert Butyl Ether

NA - Not analyzed

ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.

NS - Not sampled

TAME - Tertiary Amyl Methyl Ether

TBA - Tertiary Butyl Alcohol

APPENDIX A

Lancaster Laboratories Analysis Report – Monitoring Wells (August 30, 2016)



ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: September 30, 2016

Project: Southside Oil 20025

Submittal Date: 08/30/2016
Group Number: 1701440
PO Number: 51141-305139
State of Sample Origin: MD

Client Sample Description

	Lancaster Labs <u>(LL) #</u>
MW-2 Grab Water	8557438
MW-4 Grab Water	8557439
MW-5 Grab Water	8557440
MW-6 Grab Water	8557441
MW-10D Grab Water	8557442
MW-12 Grab Water	8557443
MW-13 Grab Water	8557444
MW-14 Grab Water	8557445
TF-1 Grab Water	8557446
TF-2 Grab Water	8557447
BR-1 Grab Water	8557448

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Paxton Wertz
Attn: Jennifer Kozak
Attn: Venelda Williams
Attn: Mark Steele



Lancaster Laboratories
Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

Sample Description: MW-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557438
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 08:10 by EM

Kleinfelder

Submitted: 08/30/2016 17:25

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 09/30/2016 13:59

PRY02

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	5	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557438
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 08:10 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY02

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
	GC Petroleum Hydrocarbons	SW-846 8015B	mg/l	mg/l	
12858	DRO C10-C28	n.a.	0.30	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/08/2016 02:31	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/08/2016 02:31	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162530021A	09/12/2016 16:06	Christine E Dolman	1
12059	Microextraction - DRO (waters)	SW-846 3511	2	162530021A	09/10/2016 09:10	Maria Davenport	1

Sample Description: MW-4 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557439
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 12:35 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY04

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335 Acetone	67-64-1	25	20	1	
10335 Acrolein	107-02-8	< 100	100	1	
10335 Acrylonitrile	107-13-1	< 20	20	1	
10335 <i>t</i> -Amyl methyl ether	994-05-8	11	1	1	
10335 Benzene	71-43-2	10	1	1	
10335 Bromodichloromethane	75-27-4	< 1	1	1	
10335 Bromoform	75-25-2	< 4	4	1	
10335 Bromomethane	74-83-9	< 1	1	1	
10335 2-Butanone	78-93-3	< 10	10	1	
10335 <i>t</i> -Butyl alcohol	75-65-0	730	20	1	
10335 n-Butylbenzene	104-51-8	< 5	5	1	
10335 sec-Butylbenzene	135-98-8	< 5	5	1	
10335 Carbon Tetrachloride	56-23-5	< 1	1	1	
10335 Chlorobenzene	108-90-7	< 1	1	1	
10335 Chloroethane	75-00-3	< 1	1	1	
10335 2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1	
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335 Chloroform	67-66-3	< 1	1	1	
10335 Chloromethane	74-87-3	< 1	1	1	
10335 Dibromochloromethane	124-48-1	< 1	1	1	
10335 1,2-Dichlorobenzene	95-50-1	< 5	5	1	
10335 1,3-Dichlorobenzene	541-73-1	< 5	5	1	
10335 1,4-Dichlorobenzene	106-46-7	< 5	5	1	
10335 1,1-Dichloroethane	75-34-3	< 1	1	1	
10335 1,2-Dichloroethane	107-06-2	< 1	1	1	
10335 1,1-Dichloroethene	75-35-4	< 1	1	1	
10335 cis-1,2-Dichloroethene	156-59-2	< 1	1	1	
10335 trans-1,2-Dichloroethene	156-60-5	< 1	1	1	
10335 1,2-Dichloropropane	78-87-5	< 1	1	1	
10335 cis-1,3-Dichloropropene	10061-01-5	< 1	1	1	
10335 trans-1,3-Dichloropropene	10061-02-6	< 1	1	1	
10335 Ethanol	64-17-5	< 250	250	1	
10335 Ethyl <i>t</i> -butyl ether	637-92-3	< 1	1	1	
10335 Ethylbenzene	100-41-4	3	1	1	
10335 di-Isopropyl ether	108-20-3	4	1	1	
10335 Isopropylbenzene	98-82-8	< 5	5	1	
10335 p-Isopropyltoluene	99-87-6	< 5	5	1	
10335 Methyl Tertiary Butyl Ether	1634-04-4	250	1	1	
10335 Methylene Chloride	75-09-2	< 4	4	1	
10335 Naphthalene	91-20-3	< 5	5	1	
10335 n-Propylbenzene	103-65-1	< 5	5	1	
10335 1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1	
10335 Tetrachloroethene	127-18-4	< 1	1	1	
10335 Toluene	108-88-3	< 1	1	1	
10335 1,1,1-Trichloroethane	71-55-6	< 1	1	1	
10335 1,1,2-Trichloroethane	79-00-5	< 1	1	1	



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-4 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557439
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 12:35 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY04

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	4	1	1
	GC Petroleum Hydrocarbons	SW-846 8015B	mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/08/2016 03:16	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/08/2016 03:16	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 15:01	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-5 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557440
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 10:40 by EM

Kleinfelder

Submitted: 08/30/2016 17:25

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 09/30/2016 13:59

PRY05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	23	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	15	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-5 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557440
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 10:40 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY05

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons SW-846 8015B					
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162511AA	09/07/2016 13:28	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162511AA	09/07/2016 13:28	Linda C Pape	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 15:25	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

Sample Description: MW-6 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557441
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 11:10 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY06

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	11	1	1
10335	Benzene	71-43-2	4	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	400	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	3	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	180	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-6 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557441
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 11:10 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY06

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
	GC Petroleum Hydrocarbons	SW-846 8015B	mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/08/2016 04:02	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/08/2016 04:02	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 15:48	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

Sample Description: MW-10D Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557442
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 11:35 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	14	1	1
10335	Benzene	71-43-2	3	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	590	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	3	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	240	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-10D Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557442
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 11:35 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY10

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles					
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons					
12858	DRO C10-C28	n.a.	0.13	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/08/2016 04:47	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/08/2016 04:47	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 16:14	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

Sample Description: MW-12 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557443
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 09:25 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY12

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	3	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-12 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557443
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 09:25 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY12

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
	GC Petroleum Hydrocarbons	SW-846 8015B	mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/08/2016 05:32	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/08/2016 05:32	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 16:37	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

Sample Description: MW-13 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557444
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 09:05 by EM

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY13

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
			2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.		
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-13 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557444
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 09:05 by EM

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY13

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/07/2016 23:08	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/07/2016 23:08	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 17:01	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

Sample Description: MW-14 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557445
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 10:05 by EM

Kleinfelder

Submitted: 08/30/2016 17:25

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 09/30/2016 13:59

PRY14

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	8	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: MW-14 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557445
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 10:05 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRY14

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
	GC Petroleum Hydrocarbons	SW-846 8015B	mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/07/2016 23:31	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/07/2016 23:31	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 17:25	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

Sample Description: TF-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557446
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 12:10 by EM

Kleinfelder

Submitted: 08/30/2016 17:25

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 09/30/2016 13:59

PRYT1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	3	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	6	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	2	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: TF-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557446
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 12:10 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRYT1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
	GC Petroleum Hydrocarbons	SW-846 8015B	mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/07/2016 23:53	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/07/2016 23:53	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 17:48	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: TF-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557447
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 11:45 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRYT2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	2	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 20	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	4	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	1	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: TF-2 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557447
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 11:45 by EM

Kleinfelder

Submitted: 08/30/2016 17:25

550 West C Street, Suite 1200
San Diego CA 92101

Reported: 09/30/2016 13:59

PRYT2

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	50	1	1
10335	Xylene (Total)	1330-20-7	1	1	1
GC Petroleum Hydrocarbons	SW-846 8015B		mg/l	mg/l	
12858	DRO C10-C28	n.a.	0.31	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/08/2016 00:16	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/08/2016 00:16	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 18:59	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: BR-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557448
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 08:40 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRYB1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
	GC/MS Volatiles	SW-846 8260B	ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 4	4	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	47	20	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 1	1	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 250	250	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	18	1	1
10335	Methylene Chloride	75-09-2	< 4	4	1
10335	Naphthalene	91-20-3	< 5	5	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1



Lancaster Laboratories
Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: BR-1 Grab Water
Perryville, MD
Southside Oil 20025

LL Sample # WW 8557448
LL Group # 1701440
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 08:40 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/30/2016 13:59

PRYB1

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles SW-846 8260B					
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 1	1	1
GC Petroleum Hydrocarbons SW-846 8015B					
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Sample Comments

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4162512AA	09/08/2016 00:38	Kevin Kelly	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4162512AA	09/08/2016 00:38	Kevin Kelly	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	162460006A	09/06/2016 19:23	Amy Lehr	1
12059	Microextraction - DRO (waters)	SW-846 3511	1	162460006A	09/03/2016 05:40	Maria Davenport	1

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/30/2016 13:59

Group Number: 1701440

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: 4162511AA	Sample number(s): 8557440	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 4	4
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 20	20
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethanol	< 250	250
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Isopropylbenzene	< 5	5
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4
Naphthalene	< 5	5
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1
Tetrachloroethene	< 1	1
Toluene	< 1	1

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control SummaryClient Name: Kleinfelder
Reported: 09/30/2016 13:59

Group Number: 1701440

Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1
Batch number: 4162512AA	Sample number(s) : 8557438-8557439, 8557441-8557448	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 4	4
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 20	20
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 1	1
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethanol	< 250	250
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Isopropylbenzene	< 5	5
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 4	4
Naphthalene	< 5	5
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1
Tetrachloroethene	< 1	1

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/30/2016 13:59

Group Number: 1701440

Method Blank (continued)

Analysis Name	Result	LOQ
	ug/l	ug/l
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
Xylene (Total)	< 1	1

Analysis Name	Result	LOQ
	mg/l	mg/l
Batch number: 162460006A	Sample number(s): 8557439-8557448	
DRO C10-C28	< 0.10	0.10
Batch number: 162530021A	Sample number(s): 8557438	
DRO C10-C28	< 0.10	0.10

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 4162511AA	Sample number(s): 8557440								
Acetone	150	175.86	150	203.52	117	136	50-168	15	30
Acrolein	150	144.37	150	148.44	96	99	47-134	3	30
Acrylonitrile	100	105.1	100	104.76	105	105	62-130	0	30
t-Amyl methyl ether	20	18.76	20	19.12	94	96	67-120	2	30
Benzene	20	21.55	20	21.62	108	108	78-120	0	30
Bromodichloromethane	20	21.28	20	21.15	106	106	80-120	1	30
Bromoform	20	16.75	20	16.74	84	84	59-120	0	30
Bromomethane	20	20.47	20	20.2	102	101	55-123	1	30
2-Butanone	150	162.15	150	168.41	108	112	57-145	4	30
t-Butyl alcohol	200	210.69	200	207.42	105	104	70-128	2	30
n-Butylbenzene	20	20.39	20	20.82	102	104	68-120	2	30
sec-Butylbenzene	20	20.76	20	21.02	104	105	77-120	1	30
Carbon Tetrachloride	20	21.34	20	21.16	107	106	74-130	1	30
Chlorobenzene	20	21.6	20	21.7	108	109	80-120	0	30
Chloroethane	20	21.1	20	20.85	106	104	56-120	1	30
2-Chloroethyl Vinyl Ether	20	19.78	20	20.22	99	101	65-120	2	30
Chloroform	20	21.6	20	21.49	108	107	80-120	1	30
Chloromethane	20	23.65	20	23.51	118	118	59-127	1	30
Dibromochloromethane	20	19.33	20	19.2	97	96	78-120	1	30
1,2-Dichlorobenzene	20	20.22	20	20.41	101	102	80-120	1	30
1,3-Dichlorobenzene	20	20	20	20.39	100	102	80-120	2	30
1,4-Dichlorobenzene	20	20.48	20	20.73	102	104	80-120	1	30
1,1-Dichloroethane	20	21.95	20	21.98	110	110	80-120	0	30
1,2-Dichloroethane	20	21.55	20	21.61	108	108	66-128	0	30
1,1-Dichloroethene	20	21.1	20	21.13	105	106	76-124	0	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/30/2016 13:59

Group Number: 1701440

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
cis-1,2-Dichloroethene	20	21.43	20	21.07	107	105	80-120	2	30
trans-1,2-Dichloroethene	20	21.83	20	22.06	109	110	80-120	1	30
1,2-Dichloropropane	20	22.64	20	22.54	113	113	80-120	0	30
cis-1,3-Dichloropropene	20	19.67	20	19.78	98	99	80-120	1	30
trans-1,3-Dichloropropene	20	19.8	20	19.89	99	99	76-120	0	30
Ethanol	500	515.62	500	518.11	103	104	47-155	0	30
Ethyl t-butyl ether	20	19.01	20	19.33	95	97	69-120	2	30
Ethylbenzene	20	21.61	20	21.55	108	108	78-120	0	30
di-Isopropyl ether	20	20.9	20	21.17	105	106	70-124	1	30
Isopropylbenzene	20	21.27	20	21.37	106	107	80-120	0	30
p-Isopropyltoluene	20	19.94	20	20.33	100	102	76-120	2	30
Methyl Tertiary Butyl Ether	20	19.5	20	19.7	98	98	75-120	1	30
Methylene Chloride	20	20.89	20	20.88	104	104	80-120	0	30
Naphthalene	20	18.53	20	18.79	93	94	59-120	1	30
n-Propylbenzene	20	21.61	20	21.91	108	110	79-121	1	30
1,1,2,2-Tetrachloroethane	20	21.21	20	21.17	106	106	72-120	0	30
Tetrachloroethene	20	20.98	20	21.32	105	107	80-129	2	30
Toluene	20	21.47	20	21.58	107	108	80-120	0	30
1,1,1-Trichloroethane	20	21.01	20	20.68	105	103	66-126	2	30
1,1,2-Trichloroethane	20	21.65	20	21.41	108	107	80-120	1	30
Trichloroethene	20	22.06	20	22.12	110	111	80-120	0	30
Trichlorofluoromethane	20	22.65	20	22.17	113	111	67-129	2	30
1,2,4-Trimethylbenzene	20	20.79	20	21.13	104	106	75-120	2	30
1,3,5-Trimethylbenzene	20	20.7	20	21.22	104	106	75-120	2	30
Vinyl Chloride	20	20.62	20	20.27	103	101	63-121	2	30
Xylene (Total)	60	62.57	60	63.42	104	106	80-120	1	30
Batch number: 4162512AA	Sample number(s): 8557438-8557439, 8557441-8557448								
Acetone	150	203.22			135		50-168		
Acrolein	150	154.62			103		47-134		
Acrylonitrile	100	101.3			101		62-130		
t-Amyl methyl ether	20	18.87			94		67-120		
Benzene	20	21.31			107		78-120		
Bromodichloromethane	20	20.16			101		80-120		
Bromoform	20	16.81			84		59-120		
Bromomethane	20	19.15			96		55-123		
2-Butanone	150	160.54			107		57-145		
t-Butyl alcohol	200	206.56			103		70-128		
n-Butylbenzene	20	19.45			97		68-120		
sec-Butylbenzene	20	20			100		77-120		
Carbon Tetrachloride	20	20.58			103		74-130		
Chlorobenzene	20	20.91			105		80-120		
Chloroethane	20	19.98			100		56-120		
2-Chloroethyl Vinyl Ether	20	20.05			100		65-120		
Chloroform	20	20.96			105		80-120		
Chloromethane	20	23			115		59-127		
Dibromochloromethane	20	18.86			94		78-120		
1,2-Dichlorobenzene	20	19.44			97		80-120		
1,3-Dichlorobenzene	20	19.26			96		80-120		
1,4-Dichlorobenzene	20	19.69			98		80-120		
1,1-Dichloroethane	20	21.57			108		80-120		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/30/2016 13:59

Group Number: 1701440

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2-Dichloroethane	20	20.46			102		66-128		
1,1-Dichloroethene	20	20.61			103		76-124		
cis-1,2-Dichloroethene	20	21.04			105		80-120		
trans-1,2-Dichloroethene	20	21.74			109		80-120		
1,2-Dichloropropane	20	21.71			109		80-120		
cis-1,3-Dichloropropene	20	19.58			98		80-120		
trans-1,3-Dichloropropene	20	19.5			97		76-120		
Ethanol	500	495.39			99		47-155		
Ethyl t-butyl ether	20	19.22			96		69-120		
Ethylbenzene	20	20.82			104		78-120		
di-Isopropyl ether	20	20.66			103		70-124		
Isopropylbenzene	20	20.61			103		80-120		
p-Isopropyltoluene	20	19.16			96		76-120		
Methyl Tertiary Butyl Ether	20	19.67			98		75-120		
Methylene Chloride	20	20.63			103		80-120		
Naphthalene	20	18.35			92		59-120		
n-Propylbenzene	20	20.62			103		79-121		
1,1,2,2-Tetrachloroethane	20	20.42			102		72-120		
Tetrachloroethene	20	20.78			104		80-129		
Toluene	20	21.01			105		80-120		
1,1,1-Trichloroethane	20	18.77			94		66-126		
1,1,2-Trichloroethane	20	20.87			104		80-120		
Trichloroethene	20	21.68			108		80-120		
Trichlorofluoromethane	20	19.34			97		67-129		
1,2,4-Trimethylbenzene	20	20.25			101		75-120		
1,3,5-Trimethylbenzene	20	20.31			102		75-120		
Vinyl Chloride	20	19.39			97		63-121		
Xylene (Total)	60	61.59			103		80-120		
	mg/l	mg/l	mg/l	mg/l					
Batch number: 162460006A		Sample number(s): 8557439-8557448							
DRO C10-C28	2.66	1.86	2.65	2.05	70	77	69-115	9	20
Batch number: 162530021A		Sample number(s): 8557438							
DRO C10-C28	2.59	2.42	2.61	2.28	94	88	69-115	6	20

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 4162512AA		Sample number(s): 8557438-8557439, 8557441-8557448 UNSPK: P558121								
Acetone	14.31	150	198.19	150	194.54	123	120	50-168	2	30
Acrolein	< 100	150	156.39	150	158.22	104	105	47-134	1	30
Acrylonitrile	< 20	100	100.98	100	97.6	101	98	62-130	3	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/30/2016 13:59

Group Number: 1701440

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
t-Amyl methyl ether	< 1	20	19.61	20	19.61	98	98	67-120	0	30
Benzene	285.49	20	225.8	20	214.72	-297 (2)	-353 (2)	78-120	5	30
Bromodichloromethane	< 1	20	21.77	20	21.24	109	106	80-120	2	30
Bromoform	< 4	20	16.94	20	16.48	85	82	59-120	3	30
Bromomethane	< 1	20	20.69	20	20.5	103	103	55-123	1	30
2-Butanone	7.10	150	155.88	150	148.95	99	95	57-145	5	30
t-Butyl alcohol	36.29	200	225.58	200	220.26	95	92	70-128	2	30
n-Butylbenzene	1.44	20	23.16	20	22.84	109	107	68-120	1	30
sec-Butylbenzene	< 5	20	22.62	20	22.29	113	111	77-120	1	30
Carbon Tetrachloride	< 1	20	23.53	20	23.17	118	116	74-130	2	30
Chlorobenzene	1.62	20	24.53	20	24	115	112	80-120	2	30
Chloroethane	< 1	20	22.91	20	22.49	115	112	56-120	2	30
2-Chloroethyl Vinyl Ether	< 10	20	< 10	20	< 10	0*	0*	65-120	0	30
Chloroform	< 1	20	22.8	20	22.34	114	112	80-120	2	30
Chloromethane	< 1	20	21.86	20	21.35	109	107	59-127	2	30
Dibromochloromethane	< 1	20	19.6	20	19.11	98	96	78-120	3	30
1,2-Dichlorobenzene	< 5	20	20.81	20	20.6	104	103	80-120	1	30
1,3-Dichlorobenzene	< 5	20	21.41	20	21.05	107	105	80-120	2	30
1,4-Dichlorobenzene	3.59	20	25.22	20	24.94	108	107	80-120	1	30
1,1-Dichloroethane	< 1	20	23.23	20	23.2	116	116	80-120	0	30
1,2-Dichloroethane	< 1	20	22	20	21.32	110	107	66-128	3	30
1,1-Dichloroethene	< 1	20	23.69	20	23.2	118	116	76-124	2	30
cis-1,2-Dichloroethene	< 1	20	23.1	20	22.55	115	113	80-120	2	30
trans-1,2-Dichloroethene	< 1	20	24.01	20	23.81	120	119	80-120	1	30
1,2-Dichloropropane	< 1	20	23.84	20	23.29	119	116	80-120	2	30
cis-1,3-Dichloropropene	< 1	20	20.6	20	20.14	103	101	80-120	2	30
trans-1,3-Dichloropropene	< 1	20	20.38	20	19.91	102	100	76-120	2	30
Ethanol	< 250	500	388.41	500	398.09	78	80	47-155	2	30
Ethyl t-butyl ether	< 1	20	20.26	20	20	101	100	69-120	1	30
Ethylbenzene	30.33	20	44.51	20	42.92	71*	63*	78-120	4	30
di-Isopropyl ether	< 1	20	22.08	20	21.68	110	108	70-124	2	30
Isopropylbenzene	1.64	20	24.52	20	24.03	114	112	80-120	2	30
p-Isopropyltoluene	< 5	20	21.92	20	21.67	110	108	76-120	1	30
Methyl Tertiary Butyl Ether	< 1	20	20.45	20	20.28	102	101	75-120	1	30
Methylene Chloride	< 4	20	22.34	20	22.22	112	111	80-120	1	30
Naphthalene	50.44	20	55.46	20	53.73	25*	16*	59-120	3	30
n-Propylbenzene	5.68	20	27.31	20	26.79	108	106	79-121	2	30
1,1,2,2-Tetrachloroethane	< 1	20	21.15	20	20.77	106	104	72-120	2	30
Tetrachloroethene	< 1	20	23.51	20	23.13	118	116	80-129	2	30
Toluene	6.75	20	28.53	20	27.56	109	104	80-120	3	30
1,1,1-Trichloroethane	< 1	20	21.16	20	21.09	106	105	66-126	0	30
1,1,2-Trichloroethane	< 1	20	22.58	20	21.87	113	109	80-120	3	30
Trichloroethene	< 1	20	24.26	20	23.78	121*	119	80-120	2	30
Trichlorofluoromethane	< 1	20	23.12	20	22.55	116	113	67-129	2	30
1,2,4-Trimethylbenzene	14.57	20	32.18	20	31.21	88	83	75-120	3	30
1,3,5-Trimethylbenzene	17.23	20	34.1	20	33.31	84	80	75-120	2	30
Vinyl Chloride	< 1	20	22.59	20	22.28	113	111	63-121	1	30
Xylene (Total)	11.65	60	76.59	60	74.47	108	105	80-120	3	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/30/2016 13:59

Group Number: 1701440

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
---------------	--------------------------	---------------------------	--------------------	----------------------------	---------------------	------------	-------------	------------------	-----	------------

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOC 8260 Kleinfelder Full+EtOH
Batch number: 416251AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8557440	103	102	100	99
Blank	103	102	101	100
LCS	101	100	101	103
LCSD	100	100	101	103
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VOC 8260 Kleinfelder Full+EtOH
Batch number: 4162512AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8557438	101	102	100	100
8557439	101	101	100	99
8557441	100	100	101	99
8557442	101	100	100	98
8557443	101	101	100	100
8557444	101	101	100	100
8557445	100	101	100	101
8557446	101	101	100	99
8557447	101	101	100	101
8557448	101	101	100	100
Blank	101	101	101	99
LCS	100	100	100	101
MS	101	102	101	102
MSD	100	102	100	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-DRO water C10-C28
Batch number: 162460006A

	Orthoterphenyl
8557439	64
8557440	100
8557441	57
8557442	67
8557443	87
8557444	71

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/30/2016 13:59

Group Number: 1701440

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Orthoterphenyl

8557445	45
8557446	100
8557447	97
8557448	96
Blank	96
LCS	99
LCSD	101

Limits: 42-160

Analysis Name: TPH-DRO water C10-C28
Batch number: 162530021A

Orthoterphenyl

8557438	67
Blank	106
LCS	111
LCSD	110

Limits: 42-160

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. # 12152
 Group #: 6557438-1B Sample #: 1701440
KJG

Client: Southside Oil	Acct. #:				Matrix			Analyses Requested			For Lab Use Only			
Project Name/#: 20025 - Perryville	PWSID #:				Portable	NPDES				Preservation Codes			FSC: _____	
Project Manager: Mark C. Steele	P.O. #:	51141-305139								H / H / H /				SCR#: _____
Sampler: <u>Evan McMullen</u>	Quote #:													Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H ₂ SO4 O=Other
Name of State where samples were collected: Maryland														Temperature of samples upon receipt (if requested)
Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Full List VOC+oxy 8260	TPH-DRO 8015	Ethanol 8260		Remarks	
MW-2	8/30/16	0810	X			X		~	X X X					
MW-4	8/30/16	1235	X			X		5	X X X					
MW-5	8/30/16	1040	X			X		5	X X X					
MW-6	8/30/16	1110	X			X		5	X X X					
MW-8			X			X		~	X X X					
MW-10D	8/30/16	1135	X			X		5	X X X					
MW-12	8/30/16	0925	X			X		5	X X X					
MW-13	8/30/16	0905	X			X		5	X X X					
MW-14	8/30/16	1005	X			X		5	X X X					
TF-1	8/30/16	1210	X			X		5	X X X					
TF-2	8/30/16	1145	X			X		5	X X X					
TF-3			X			X		~	X X X					
Turnaround Time Requested (TAT) (please circle): Normal <input checked="" type="radio"/> Rush <input type="radio"/>				Relinquished by: <u>E.M. M.</u>			Date <u>8/30/16</u>	Time <u>14:15</u>	Received by: <u>Cooler room</u>	Date <u>8/30</u>	Time <u>14:15</u>			
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)				Relinquished by: <u>cooley</u>			Date <u>8/30/16</u>	Time <u>15:00</u>	Received by: <u>KM</u>	Date <u>8/30/16</u>	Time <u>15:00</u>			
Date results are needed:				Relinquished by: <u>km</u>			Date <u>8/30/16</u>	Time <u>17:00</u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
Rush results requested by (please circle): Phone <input type="radio"/> Fax <input type="radio"/> E-mail <input type="radio"/>				Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
Phone #: _____ Fax #: _____				Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
E-mail address: _____				Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
Data Package Options (please circle if required)		SDG Complete?		Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
Type I (validation/NJ reg)	TX-TRRP-13	Yes <input type="radio"/> No <input checked="" type="radio"/>		Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
Type II (Tier II)	MA MCP CT RCP	Yes <input type="radio"/> No <input checked="" type="radio"/>		Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
Type III (Reduced NJ)	State-specific QC (MS/MSD/Dup)? Yes <input type="radio"/> No <input checked="" type="radio"/>			Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
Type IV (CLP SOW)	(If yes, indicated QC sample and submit triplecate volume)			Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			
Type VI (Raw Data Only)	Internal COC required? Yes <input type="radio"/> No <input checked="" type="radio"/>			Relinquished by: <u></u>			Date <u></u>	Time <u></u>	Received by: <u></u>	Date <u></u>	Time <u></u>			

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #:
Group #: 12152
Sample #: 8557138-118
1701110

Client: Southside Oil	Acct. #:	Matrix			Analyses Requested			For Lab Use Only		
Project Name/#: 20025 - Perryville	PWSID #:	Portable	NPDES		Preservation Codes			FSC: _____		
Project Manager: Mark C. Steele	P.O. #: 51141-305139				H	H	H	SCR#: _____		
Sampler: Evan McMullen	Quote #:									
Name of State where samples were collected: Maryland										
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Remarks
BR-1	8/30/16	0840	X		X		X	X	5	
Turnaround Time Requested (TAT) (please circle): Normal Rush					Relinquished by:	Date 8/30/16	Time 14:15	Received by: water room	Date 8/30	Time 14:15
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)					Relinquished by:	Date 8/30/16	Time 15:00	Received by: KM	Date 8/30/16	Time 15:00
Date results are needed:					Relinquished by:	Date 8/30/16	Time 17:00	Received by:	Date	Time
Rush results requested by (please circle): Phone Fax E-mail					Relinquished by:	Date	Time	Received by:	Date	Time
Phone #: _____ Fax #: _____					Relinquished by:	Date	Time	Received by:	Date	Time
E-mail address: _____					Relinquished by:	Date	Time	Received by:	Date	Time
Data Package Options (please circle if required)		SDG Complete?			Relinquished by:	Date	Time	Received by:	Date	Time
Type I (validation/NJ reg)	TX-TRRP-13			Yes No	Relinquished by:	Date	Time	Received by:	Date	Time
Type II (Tier II)	MA MCP	CT RCP			Relinquished by:	Date	Time	Received by:	Date	Time
Type III (Reduced NJ)	State-specific QC (MS/MSD/Dup)? Yes No			(If yes, indicated QC sample and submit triplecate volume)	Relinquished by:	Date	Time	Received by:	Date	Time
Type IV (CLP SOW)					Relinquished by:	Date	Time	Received by:	Date	Time
Type VI (Raw Data Only)	Internal COC required? Yes No				Relinquished by:	Date	Time	Received by:	Date	Time

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Client: Southside**Delivery and Receipt Information**

Delivery Method: ELLE Courier Arrival Timestamp: 08/30/2016 17:25
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: MD

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	Yes
Paperwork Enclosed:	Yes	VOA IDs (\geq 6mm):	See Below
Samples Intact:	Yes	Total Trip Blank Qty:	0
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

VOA Vial IDs (Headspace \geq 6mm): 2 TF-3 vials

Unpacked by Karen Diem (3060) at 18:08 on 08/30/2016

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	1.4	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

APPENDIX B

**Lancaster Laboratories Analytical Report –
Potable Wells (August 29 and 30, 2016)**

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: September 06, 2016

Project: Southside Oil 20025

Submittal Date: 08/29/2016
Group Number: 1701249
PO Number: 51141-305139
State of Sample Origin: MD

Client Sample Description
1825 Perryville Road PI Grab Water
1825 Perryville Road PM Grab Water
1825 Perryville Road PE Grab Water

Lancaster Labs
(LL) #
8556584
8556585
8556586

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/> .

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Paxton Wertz
Attn: Jennifer Kozak
Attn: Venelda Williams
Attn: Mark Steele

Respectfully Submitted,



Amek Carter
Specialist

(717) 556-7252

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PI Grab Water
Southside Oil 20025

LL Sample # PW 8556584
LL Group # 1701249
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/29/2016 07:35 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/29/2016 14:55

Reported: 09/06/2016 08:57

1825I

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	EPA 524.2	ug/l	ug/l	
03648	Acetone	67-64-1	< 5.0	5.0	1
03648	Acrolein	107-02-8	< 50	50	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	t-Amyl Methyl Ether	994-05-8	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl t-Butyl Ether	637-92-3	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	di-Isopropyl Ether	108-20-3	< 0.5	0.5	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	9.0	1.0	1
03648	Methylene Chloride	75-09-2	< 0.5	0.5	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	Xylene (Total)	1330-20-7	< 0.5	0.5	1



Lancaster Laboratories
Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PI Grab Water
Southside Oil 20025

LL Sample # PW 8556584
LL Group # 1701249
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/29/2016 07:35 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/29/2016 14:55

Reported: 09/06/2016 08:57

1825I

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs 524.2 Kleinfelder Full	EPA 524.2	1	S162441AA	08/31/2016 17:47	Joshua S Hess	1

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PM Grab Water
Southside Oil 20025

LL Sample # PW 8556585
LL Group # 1701249
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/29/2016 07:40 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/29/2016 14:55

Reported: 09/06/2016 08:57

1825M

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	EPA 524.2	ug/l	ug/l	
03648	Acetone	67-64-1	< 5.0	5.0	1
03648	Acrolein	107-02-8	< 50	50	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	t-Amyl Methyl Ether	994-05-8	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl t-Butyl Ether	637-92-3	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	di-Isopropyl Ether	108-20-3	< 0.5	0.5	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	2.0	1.0	1
03648	Methylene Chloride	75-09-2	< 0.5	0.5	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	Xylene (Total)	1330-20-7	< 0.5	0.5	1



2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PM Grab Water
Southside Oil 20025

LL Sample # PW 8556585
LL Group # 1701249
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/29/2016 07:40 by EM

Kleinfelder

Submitted: 08/29/2016 14:55
Reported: 09/06/2016 08:57

550 West C Street, Suite 1200
San Diego CA 92101

1825M

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs 524.2 Kleinfelder Full	EPA 524.2	1	S162441AA	08/31/2016 18:14	Joshua S Hess	1

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PE Grab Water
Southside Oil 20025

LL Sample # PW 8556586
LL Group # 1701249
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/29/2016 07:45 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/29/2016 14:55

Reported: 09/06/2016 08:57

1825E

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	EPA 524.2	ug/l	ug/l	
03648	Acetone	67-64-1	< 5.0	5.0	1
03648	Acrolein	107-02-8	< 50	50	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	t-Amyl Methyl Ether	994-05-8	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl t-Butyl Ether	637-92-3	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	di-Isopropyl Ether	108-20-3	< 0.5	0.5	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	< 1.0	1.0	1
03648	Methylene Chloride	75-09-2	< 0.5	0.5	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	Xylene (Total)	1330-20-7	< 0.5	0.5	1



Lancaster Laboratories
Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1825 Perryville Road PE Grab Water
Southside Oil 20025

LL Sample # PW 8556586
LL Group # 1701249
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/29/2016 07:45 by EM

Kleinfelder

Submitted: 08/29/2016 14:55
Reported: 09/06/2016 08:57

550 West C Street, Suite 1200
San Diego CA 92101

1825E

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs 524.2 Full	EPA 524.2	1	S162441AA	08/31/2016 18:41	Joshua S Hess	1

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/06/2016 08:57

Group Number: 1701249

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: S162441AA	Sample number(s): 8556584-8556586	
Acetone	< 5.0	5.0
Acrolein	< 50	50
Acrylonitrile	< 10	10
t-Amyl Methyl Ether	< 0.5	0.5
Benzene	< 0.5	0.5
Bromodichloromethane	< 0.5	0.5
Bromoform	< 0.5	0.5
Bromomethane	< 0.5	0.5
2-Butanone	< 5.0	5.0
t-Butyl Alcohol	< 25	25
n-Butylbenzene	< 0.5	0.5
sec-Butylbenzene	< 0.5	0.5
tert-Butylbenzene	< 0.5	0.5
Carbon Tetrachloride	< 0.5	0.5
Chlorobenzene	< 0.5	0.5
Chloroethane	< 0.5	0.5
Chloroform	< 0.5	0.5
Chloromethane	< 0.5	0.5
Dibromochloromethane	< 0.5	0.5
1,2-Dichlorobenzene	< 0.5	0.5
1,3-Dichlorobenzene	< 0.5	0.5
1,4-Dichlorobenzene	< 0.5	0.5
1,1-Dichloroethane	< 0.5	0.5
1,2-Dichloroethane	< 0.5	0.5
1,1-Dichloroethene	< 0.5	0.5
cis-1,2-Dichloroethene	< 0.5	0.5
trans-1,2-Dichloroethene	< 0.5	0.5
1,2-Dichloropropane	< 0.5	0.5
cis-1,3-Dichloropropene	< 0.5	0.5
trans-1,3-Dichloropropene	< 0.5	0.5
Ethyl t-Butyl Ether	< 0.5	0.5
Ethylbenzene	< 0.5	0.5
di-Isopropyl Ether	< 0.5	0.5
Isopropylbenzene	< 0.5	0.5
p-Isopropyltoluene	< 0.5	0.5
Methyl Tertiary Butyl Ether	< 0.5	0.5
Methylene Chloride	< 0.5	0.5
Naphthalene	< 0.5	0.5
n-Propylbenzene	< 0.5	0.5
1,1,2,2-Tetrachloroethane	< 0.5	0.5
Tetrachloroethene	< 0.5	0.5
Toluene	< 0.5	0.5
1,1,1-Trichloroethane	< 0.5	0.5

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/06/2016 08:57

Group Number: 1701249

Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
1,1,2-Trichloroethane	< 0.5	0.5
Trichloroethene	< 0.5	0.5
Trichlorofluoromethane	< 0.5	0.5
1,2,4-Trimethylbenzene	< 0.5	0.5
1,3,5-Trimethylbenzene	< 0.5	0.5
Vinyl Chloride	< 0.5	0.5
Xylene (Total)	< 0.5	0.5

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: S162441AA									
Acetone	37.5	32.96			88		70-130		
Acrolein	37.5	29.77			79		70-130		
Acrylonitrile	112.5	93.49			83		70-130		
t-Amyl Methyl Ether	5.00	4.88			98		70-130		
Benzene	5.00	4.66			93		70-130		
Bromodichloromethane	5.00	4.98			100		70-130		
Bromoform	5.00	6.44			129		70-130		
Bromomethane	2.00	1.74			87		70-130		
2-Butanone	37.5	40.27			107		70-130		
t-Butyl Alcohol	50	62.21			124		70-130		
n-Butylbenzene	5.00	4.96			99		70-130		
sec-Butylbenzene	5.00	5.44			109		70-130		
tert-Butylbenzene	5.00	5.30			106		70-130		
Carbon Tetrachloride	5.00	5.56			111		70-130		
Chlorobenzene	5.00	6.01			120		70-130		
Chloroethane	2.00	1.67			83		70-130		
Chloroform	5.00	4.58			92		70-130		
Chloromethane	2.00	1.58			79		70-130		
Dibromochloromethane	5.00	5.63			113		70-130		
1,2-Dichlorobenzene	5.00	5.63			113		70-130		
1,3-Dichlorobenzene	5.00	5.82			116		70-130		
1,4-Dichlorobenzene	5.00	5.87			117		70-130		
1,1-Dichloroethane	5.00	4.47			89		70-130		
1,2-Dichloroethane	5.00	5.28			106		70-130		
1,1-Dichloroethene	5.00	3.87			77		70-130		
cis-1,2-Dichloroethene	5.00	4.93			99		70-130		
trans-1,2-Dichloroethene	5.00	4.40			88		70-130		
1,2-Dichloropropane	5.00	5.40			108		70-130		
cis-1,3-Dichloropropene	5.00	5.03			101		70-130		
trans-1,3-Dichloropropene	5.00	5.43			109		70-130		
Ethyl t-Butyl Ether	5.00	4.47			89		70-130		
Ethylbenzene	5.00	5.87			117		70-130		
di-Isopropyl Ether	5.00	4.36			87		70-130		
Isopropylbenzene	5.00	5.58			112		70-130		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/06/2016 08:57

Group Number: 1701249

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
p-Isopropyltoluene	5.00	5.69			114		70-130		
Methyl Tertiary Butyl Ether	5.00	5.04			101		70-130		
Methylene Chloride	5.00	4.02			80		70-130		
Naphthalene	5.00	5.27			105		70-130		
n-Propylbenzene	5.00	5.63			113		70-130		
1,1,2,2-Tetrachloroethane	5.00	5.21			104		70-130		
Tetrachloroethene	5.00	5.35			107		70-130		
Toluene	5.00	5.17			103		70-130		
1,1,1-Trichloroethane	5.00	4.91			98		70-130		
1,1,2-Trichloroethane	5.00	5.02			100		70-130		
Trichloroethene	5.00	4.97			99		70-130		
Trichlorofluoromethane	2.00	1.92			96		70-130		
1,2,4-Trimethylbenzene	5.00	6.17			123		70-130		
1,3,5-Trimethylbenzene	5.00	6.19			124		70-130		
Vinyl Chloride	2.00	1.56			78		70-130		
Xylene (Total)	15	18.02			120		70-130		

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs 524.2 Kleinfelder Full

Batch number: S162441AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8556584	96	87
8556585	92	85
8556586	92	86
Blank	96	89
LCS	113	107
Limits:	80-120	80-120

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152
 Group #: _____ Sample #: 8556554-66
 7/12/14

Client: Southside Oil	Acct. #:	Matrix			Analyses Requested			For Lab Use Only		
Project Name/#: 20025	PWSID #:	Portable	NPDES		Preservation Codes			FSC:		
Project Manager: Mark C. Steele	P.O. #: 51141-305139				H			SCR#:		
Sampler: Evan McMullan	Quote #:							Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other		
Name of State where samples were collected: Maryland		Total # of Containers	Full List VOCs + OXY 524.2						Remarks	
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Temperature of samples upon receipt (if requested)	
1825 Perryville Road PI		8/29/16	0735	X			X			
1825 Perryville Road PM		8/29/16	0740	X			X			
1825 Perryville Road PE		8/29/16	0745	X			X			
Turnaround Time Requested (TAT) (please circle):		Normal	Rush							
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)										
Date results are needed:										
Rush results requested by (please circle): Phone Fax E-mail										
Phone #: _____ Fax #: _____										
E-mail address: _____										
Data Package Options (please circle if required)		SDG Complete?								
Type I (validation/NJ reg)	TX-TRRP-13	Yes No								
Type II (Tier II)	MA MCP	CT RCP								
Type III (Reduced NJ)	State-specific QC (MS/MSD/Dup)? Yes No									
Type IV (CLP SOW)	(If yes, indicated QC sample and submit triplecate volume)									
Type VI (Raw Data Only)	Internal COC required? Yes No									
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____										
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____										
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____										
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____										
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____										
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____										
Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____										

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Client: Southside Oil**Delivery and Receipt Information**

Delivery Method:	<u>ELLE Courier</u>	Arrival Timestamp:	<u>08/29/2016 14:55</u>
Number of Packages:	<u>1</u>	Number of Projects:	<u>1</u>
State/Province of Origin:	<u>MD</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	No
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	No
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	0
Samples Intact:	Yes	Air Quality Samples Present:	No
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Melvin Sanchez (8943) at 15:21 on 08/29/2016

Samples Chilled DetailsThermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT121	2.0	DT	Wet	Y	Bagged	N

Sample Date/Time Discrepancy Details

Sample ID on COC	Date/Time on Label	Comments
1825 Perryville Road PI	8/29/2016 07:45	Time flipped with sample 1825 Perryville Road PE
1825 Perryville Road PE	8/29/2016 07:35	Time flipped with sample 1825 Perryville Road PI

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: September 02, 2016

Project: Southside Oil 20025

Submittal Date: 08/30/2016
Group Number: 1701441
PO Number: 51141-305139
State of Sample Origin: MD

Lancaster Labs
(LL) #
8557449

Client Sample Description
1836 Perryville Road Grab Water

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>.

Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder
Electronic Copy To Kleinfelder

Attn: Paxton Wertz
Attn: Jennifer Kozak
Attn: Venelda Williams
Attn: Mark Steele

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

**Sample Description:** 1836 Perryville Road Grab Water
Southside Oil 20025LL Sample # PW 8557449
LL Group # 1701441
Account # 12152**Project Name:** Southside Oil 20025

Collected: 08/30/2016 09:35 by EM

Kleinfelder

550 West C Street, Suite 1200
San Diego CA 92101

Submitted: 08/30/2016 17:25

Reported: 09/02/2016 10:47

1836P

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	EPA 524.2	ug/l	ug/l	
03648	Acetone	67-64-1	< 5.0	5.0	1
03648	Acrolein	107-02-8	< 50	50	1
03648	Acrylonitrile	107-13-1	< 10	10	1
03648	t-Amyl Methyl Ether	994-05-8	< 0.5	0.5	1
03648	Benzene	71-43-2	< 0.5	0.5	1
03648	Bromodichloromethane	75-27-4	< 0.5	0.5	1
03648	Bromoform	75-25-2	< 0.5	0.5	1
03648	Bromomethane	74-83-9	< 0.5	0.5	1
03648	2-Butanone	78-93-3	< 5.0	5.0	1
03648	t-Butyl Alcohol	75-65-0	< 25	25	1
03648	n-Butylbenzene	104-51-8	< 0.5	0.5	1
03648	sec-Butylbenzene	135-98-8	< 0.5	0.5	1
03648	tert-Butylbenzene	98-06-6	< 0.5	0.5	1
03648	Carbon Tetrachloride	56-23-5	< 0.5	0.5	1
03648	Chlorobenzene	108-90-7	< 0.5	0.5	1
03648	Chloroethane	75-00-3	< 0.5	0.5	1
03648	Chloroform	67-66-3	< 0.5	0.5	1
03648	Chloromethane	74-87-3	< 0.5	0.5	1
03648	Dibromochloromethane	124-48-1	< 0.5	0.5	1
03648	1,2-Dichlorobenzene	95-50-1	< 0.5	0.5	1
03648	1,3-Dichlorobenzene	541-73-1	< 0.5	0.5	1
03648	1,4-Dichlorobenzene	106-46-7	< 0.5	0.5	1
03648	1,1-Dichloroethane	75-34-3	< 0.5	0.5	1
03648	1,2-Dichloroethane	107-06-2	< 0.5	0.5	1
03648	1,1-Dichloroethene	75-35-4	< 0.5	0.5	1
03648	cis-1,2-Dichloroethene	156-59-2	< 0.5	0.5	1
03648	trans-1,2-Dichloroethene	156-60-5	< 0.5	0.5	1
03648	1,2-Dichloropropane	78-87-5	< 0.5	0.5	1
03648	cis-1,3-Dichloropropene	10061-01-5	< 0.5	0.5	1
03648	trans-1,3-Dichloropropene	10061-02-6	< 0.5	0.5	1
03648	Ethyl t-Butyl Ether	637-92-3	< 0.5	0.5	1
03648	Ethylbenzene	100-41-4	< 0.5	0.5	1
03648	di-Isopropyl Ether	108-20-3	< 0.5	0.5	1
03648	Isopropylbenzene	98-82-8	< 0.5	0.5	1
03648	p-Isopropyltoluene	99-87-6	< 0.5	0.5	1
03648	Methyl Tertiary Butyl Ether	1634-04-4	2.9	1.0	1
03648	Methylene Chloride	75-09-2	< 0.5	0.5	1
03648	Naphthalene	91-20-3	< 0.5	0.5	1
03648	n-Propylbenzene	103-65-1	< 0.5	0.5	1
03648	1,1,2,2-Tetrachloroethane	79-34-5	< 0.5	0.5	1
03648	Tetrachloroethene	127-18-4	< 0.5	0.5	1
03648	Toluene	108-88-3	< 0.5	0.5	1
03648	1,1,1-Trichloroethane	71-55-6	< 0.5	0.5	1
03648	1,1,2-Trichloroethane	79-00-5	< 0.5	0.5	1
03648	Trichloroethene	79-01-6	< 0.5	0.5	1
03648	Trichlorofluoromethane	75-69-4	< 0.5	0.5	1
03648	1,2,4-Trimethylbenzene	95-63-6	< 0.5	0.5	1
03648	1,3,5-Trimethylbenzene	108-67-8	< 0.5	0.5	1
03648	Vinyl Chloride	75-01-4	< 0.5	0.5	1
03648	Xylene (Total)	1330-20-7	< 0.5	0.5	1



Lancaster Laboratories
Environmental

Analysis Report

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: 1836 Perryville Road Grab Water
Southside Oil 20025

LL Sample # PW 8557449
LL Group # 1701441
Account # 12152

Project Name: Southside Oil 20025

Collected: 08/30/2016 09:35 by EM

Kleinfelder

Submitted: 08/30/2016 17:25
Reported: 09/02/2016 10:47

550 West C Street, Suite 1200
San Diego CA 92101

1836P

Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
03648	VOCs 524.2 Kleinfelder Full	EPA 524.2	1	S162442AA	09/01/2016 03:59	Don V Viray	1

Quality Control SummaryClient Name: Kleinfelder
Reported: 09/02/2016 10:47

Group Number: 1701441

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: S162442AA	Sample number(s): 8557449	
Acetone	< 5.0	5.0
Acrolein	< 50	50
Acrylonitrile	< 10	10
t-Amyl Methyl Ether	< 0.5	0.5
Benzene	< 0.5	0.5
Bromodichloromethane	< 0.5	0.5
Bromoform	< 0.5	0.5
Bromomethane	< 0.5	0.5
2-Butanone	< 5.0	5.0
t-Butyl Alcohol	< 25	25
n-Butylbenzene	< 0.5	0.5
sec-Butylbenzene	< 0.5	0.5
tert-Butylbenzene	< 0.5	0.5
Carbon Tetrachloride	< 0.5	0.5
Chlorobenzene	< 0.5	0.5
Chloroethane	< 0.5	0.5
Chloroform	< 0.5	0.5
Chloromethane	< 0.5	0.5
Dibromochloromethane	< 0.5	0.5
1,2-Dichlorobenzene	< 0.5	0.5
1,3-Dichlorobenzene	< 0.5	0.5
1,4-Dichlorobenzene	< 0.5	0.5
1,1-Dichloroethane	< 0.5	0.5
1,2-Dichloroethane	< 0.5	0.5
1,1-Dichloroethene	< 0.5	0.5
cis-1,2-Dichloroethene	< 0.5	0.5
trans-1,2-Dichloroethene	< 0.5	0.5
1,2-Dichloropropane	< 0.5	0.5
cis-1,3-Dichloropropene	< 0.5	0.5
trans-1,3-Dichloropropene	< 0.5	0.5
Ethyl t-Butyl Ether	< 0.5	0.5
Ethylbenzene	< 0.5	0.5
di-Isopropyl Ether	< 0.5	0.5
Isopropylbenzene	< 0.5	0.5
p-Isopropyltoluene	< 0.5	0.5
Methyl Tertiary Butyl Ether	< 0.5	0.5
Methylene Chloride	< 0.5	0.5
Naphthalene	< 0.5	0.5
n-Propylbenzene	< 0.5	0.5
1,1,2,2-Tetrachloroethane	< 0.5	0.5
Tetrachloroethene	< 0.5	0.5
Toluene	< 0.5	0.5
1,1,1-Trichloroethane	< 0.5	0.5

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/02/2016 10:47

Group Number: 1701441

Method Blank (continued)

Analysis Name	Result ug/l	LOQ ug/l
1,1,2-Trichloroethane	< 0.5	0.5
Trichloroethene	< 0.5	0.5
Trichlorofluoromethane	< 0.5	0.5
1,2,4-Trimethylbenzene	< 0.5	0.5
1,3,5-Trimethylbenzene	< 0.5	0.5
Vinyl Chloride	< 0.5	0.5
Xylene (Total)	< 0.5	0.5

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: S162442AA Sample number(s): 8557449									
Acetone	37.5	34.18			91		70-130		
Acrolein	37.5	31.5			84		70-130		
Acrylonitrile	112.5	96.95			86		70-130		
t-Amyl Methyl Ether	5.00	4.43			89		70-130		
Benzene	5.00	4.59			92		70-130		
Bromodichloromethane	5.00	4.49			90		70-130		
Bromoform	5.00	5.46			109		70-130		
Bromomethane	2.00	1.77			89		70-130		
2-Butanone	37.5	36.56			97		70-130		
t-Butyl Alcohol	50	54.41			109		70-130		
n-Butylbenzene	5.00	4.56			91		70-130		
sec-Butylbenzene	5.00	4.95			99		70-130		
tert-Butylbenzene	5.00	4.88			98		70-130		
Carbon Tetrachloride	5.00	5.33			107		70-130		
Chlorobenzene	5.00	5.50			110		70-130		
Chloroethane	2.00	1.76			88		70-130		
Chloroform	5.00	4.44			89		70-130		
Chloromethane	2.00	1.62			81		70-130		
Dibromochloromethane	5.00	5.08			102		70-130		
1,2-Dichlorobenzene	5.00	5.18			104		70-130		
1,3-Dichlorobenzene	5.00	5.18			104		70-130		
1,4-Dichlorobenzene	5.00	5.32			106		70-130		
1,1-Dichloroethane	5.00	4.51			90		70-130		
1,2-Dichloroethane	5.00	5.16			103		70-130		
1,1-Dichloroethene	5.00	3.83			77		70-130		
cis-1,2-Dichloroethene	5.00	4.86			97		70-130		
trans-1,2-Dichloroethene	5.00	4.49			90		70-130		
1,2-Dichloropropane	5.00	5.22			104		70-130		
cis-1,3-Dichloropropene	5.00	4.56			91		70-130		
trans-1,3-Dichloropropene	5.00	4.97			99		70-130		
Ethyl t-Butyl Ether	5.00	4.19			84		70-130		
Ethylbenzene	5.00	5.51			110		70-130		
di-Isopropyl Ether	5.00	4.25			85		70-130		
Isopropylbenzene	5.00	5.05			101		70-130		

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/02/2016 10:47

Group Number: 1701441

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
p-Isopropyltoluene	5.00	5.06			101		70-130		
Methyl Tertiary Butyl Ether	5.00	4.89			98		70-130		
Methylene Chloride	5.00	4.07			81		70-130		
Naphthalene	5.00	4.56			91		70-130		
n-Propylbenzene	5.00	5.13			103		70-130		
1,1,2,2-Tetrachloroethane	5.00	4.55			91		70-130		
Tetrachloroethene	5.00	5.03			101		70-130		
Toluene	5.00	4.85			97		70-130		
1,1,1-Trichloroethane	5.00	4.89			98		70-130		
1,1,2-Trichloroethane	5.00	4.62			92		70-130		
Trichloroethene	5.00	4.84			97		70-130		
Trichlorofluoromethane	2.00	1.90			95		70-130		
1,2,4-Trimethylbenzene	5.00	5.67			113		70-130		
1,3,5-Trimethylbenzene	5.00	5.80			116		70-130		
Vinyl Chloride	2.00	1.59			79		70-130		
Xylene (Total)	15	16.79			112		70-130		

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs 524.2 Kleinfelder Full

Batch number: S162442AA

	4-Bromofluorobenzene	1,2-Dichlorobenzene-d4
8557449	97	91
Blank	95	86
LCS	112	108
Limits:	80-120	80-120

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.



Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152
 Group #: 5557441-
 Sample #: 1701441

Client: Southside Oil	Acct. #:				Matrix		Analyses Requested			For Lab Use Only		
Project Name/#: 20025	PWSID #:				Portable	NPDES				FSC:		
Project Manager: Mark C. Steele	P.O. #:	51141-305139								SCR#:		
Sampler: Evan McMullen	Quote #:									Preservation Codes		
Name of State where samples were collected: Maryland										Preservation Codes H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other		
Sample Identification		Date Collected	Time Collected	Grab	Composite	Soil	Water	Other	Total # of Containers	Remarks		
1836 Perryville Road		8/30/16	0935	X			X		4	X		
(Full List VOCs + OXY 524.2)												
Temperature of samples upon receipt (if requested)												
Turnaround Time Requested (TAT) (please circle): Normal <input checked="" type="radio"/> Rush <small>(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)</small>					Relinquished by: <i>E.M. Mc</i> Date <i>8/30/16</i> Time <i>14:15</i> Received by: <i>Cooler Room</i> Date <i>8/30</i> Time <i>14:15</i> Relinquished by: <i>Cooper Room</i> Date <i>8/30/16</i> Time <i>15:00</i> Received by: <i>Lab</i> Date <i>8/30/16</i> Time <i>15:00</i> Relinquished by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i> Received by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i> Relinquished by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i> Received by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i>							
Date results are needed: Rush results requested by (please circle): Phone <input type="checkbox"/> Fax <input type="checkbox"/> E-mail <input type="checkbox"/> Phone #: <input type="text"/> Fax #: <input type="text"/> E-mail address: <input type="text"/>												
Data Package Options (please circle if required)		SDG Complete?			Relinquished by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i> Received by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i> Relinquished by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i> Received by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i> Relinquished by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i> Received by: <i>HR</i> Date <i>8/30/16</i> Time <i>17:00</i>							
Type I (validation/NJ reg)	TX-TRRP-13		Yes No									
Type II (Tier II)	MA MCP	CT RCP										
Type III (Reduced NJ)			State-specific QC (MS/MSD/Dup)? Yes <input type="checkbox"/> No <input type="checkbox"/> <small>(If yes, indicated QC sample and submit triplecate volume)</small>									
Type IV (CLP SOW)												
Type VI (Raw Data Only)			Internal COC required? Yes <input type="checkbox"/> No <input type="checkbox"/>									

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Client: Southside**Delivery and Receipt Information**

Delivery Method: ELLE Courier Arrival Timestamp: 08/30/2016 17:25
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: MD

Arrival Condition Summary

Shipping Container Sealed:	No	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	No	Sample Date/Times match COC:	Yes
Samples Chilled:	Yes	VOA Vial Headspace ≥ 6mm:	Yes
Paperwork Enclosed:	Yes	VOA IDs (≥ 6mm):	See Below
Samples Intact:	Yes	Total Trip Blank Qty:	0
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

VOA Vial IDs (Headspace ≥ 6mm): 2 TF-3 vials

Unpacked by Karen Diem (3060) at 18:08 on 08/30/2016

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

<u>Cooler #</u>	<u>Thermometer ID</u>	<u>Corrected Temp</u>	<u>Therm. Type</u>	<u>Ice Type</u>	<u>Ice Present?</u>	<u>Ice Container</u>	<u>Elevated Temp?</u>
1	DT121	1.4	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Laboratory Data Qualifiers:

- B - Analyte detected in the blank
- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.